

Wild

AUSTRALIA'S WILDERNESS ADVENTURE MAGAZINE



Stove buyer's guide

**Australia's wildest
river valley?**

Tiger walker tells

Lightweight bushwalking

Summer skiing

Kimberley kayaking

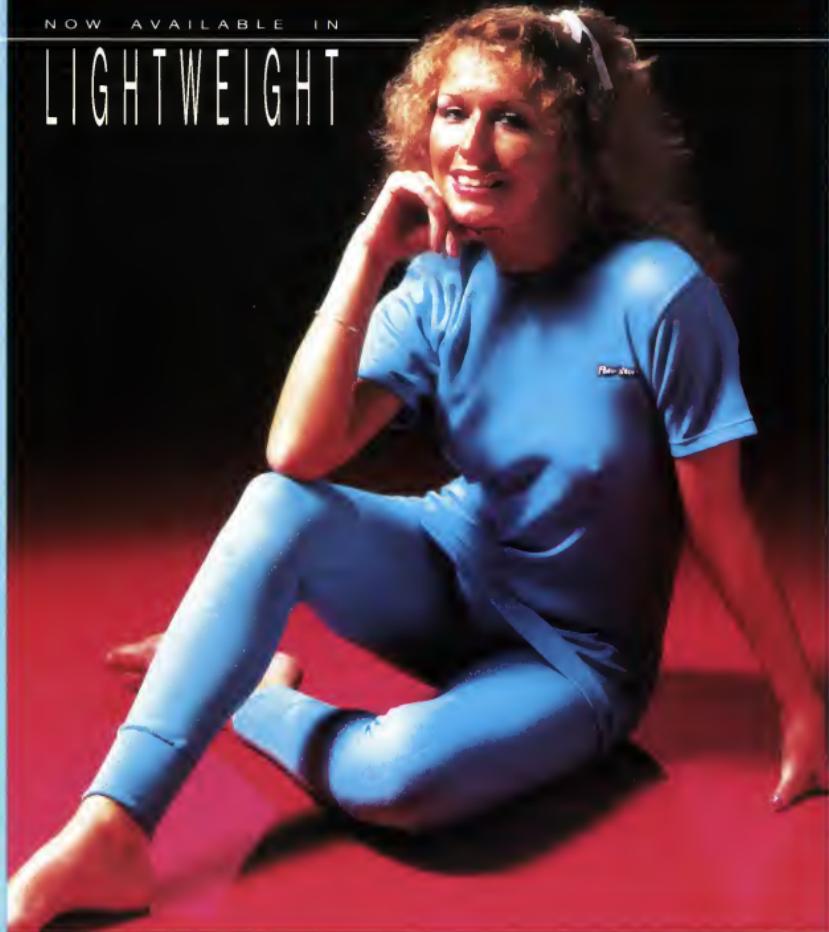
Where to rockclimb

More Himalayan success

\$4.50* Autumn (April, May, June) 1987, issue 24

NOW AVAILABLE IN

LIGHTWEIGHT



Chlorofibre takes 8 seconds

Nature uses the evaporation of body moisture to cool your skin when you're hot, but that evaporation can be a real killer in cold weather. If you want to keep warm, you have to keep dry – and that's where chlorofibre scores over other fibres.

Chlorofibre garments move perspiration away from the skin with uncanny effectiveness. They insulate like nothing else you've ever worn. They wash and dry easily. Most other fibres do not move moisture away, they swell and retain it. Scientific tests prove Chlorofibre moves it in 8 seconds!

The next best is polypropylene in 4 minutes.



Peter Storm®

Makes great looking sportsmen

Peter Storm (Australasia) Pty Ltd

4B Wilmette Place, Mona Vale, NSW 2103, Australia
Telephone (02) 997 3611 Telex AA71085

Available in
White and Navy Blue



Autumn (April May June) 1987, Vol 7 No 2 (issue 24)

\$NZ5.95* \$4.50

28 **Tiger!** Klaus Hueneka catches up with fast-moving bushwalker,
Peter Treseder

32 **The Lost River** Chris Sharples visits one of Australia's wildest
places

36 **Summer Skiing** Let's go! With Andrew Brookes

40 **Kimberley Kayaking** Terry Bolland continues his epic
solo navigation of the Kimberley coastline

44 **Broadside!** Jonathan Chester joins the Army on Broad Peak, the
second 8,000 metre peak to be climbed by Australians

3 **Editorial** Wild Things

5 **Contributors**

17 **Wild Information**

25 **Wild Ideas** Going Light

50 **Folio** Tasmania's Central Highlands, by Dennis Harding

54 **Track Notes** Walking the Threatened Forest

59 **Wild Activities Survey** Australia's Major Rockclimbing Areas

65 **Wild Gear Survey** Stoves

69 **Reviews**

77 **Equipment**

85 **Wildfire** Letters to the Editor

96 **Wild Shot**

Cover Gaiter testing in Victoria's Gippsland River. Photo Andrew Brookes. Contents More aquatic bushwalkers, this time in the Snowy River, Victoria. Photo Michael Collie. *Maximum recommended retail price only

DESIGNED FOR WOMEN

The Paddy Pallin Daintree Jacket is stylish, functional rainwear designed for women who like to go places — whatever the weather.

Inspired by the traditional 'oilskin' the Daintree has been carefully tailored to fit the female form. It is cut from easy to wear dry japara fabric that is specially coated to ensure protection from wind and rain.

The Daintree's cape hood neatly detaches to reveal a smart mandarin collar for townwear. Two roomy handwarmer pockets are complemented by an internal document pocket and there is an adjustable waist drawcord for additional styling. Best of all the Daintree weighs little more than 600gms and is easily stowed in a bag or travel luggage.

See the Daintree range at your nearest Paddy Pallin store — the leaders in adventure equipment for women — and men.



Paddy Pallin

THE LEADERS IN ADVENTURE

SYDNEY (City) 507 Kent St. (02) 264 2685; MIRANDA 527 Kingsway (02) 525 6829; KATOOMBA 195 Katoomba St. (047) 82 2014; CANBERRA 11 Lonsdale St. Braddon (062) 47 8949; JINDABYNE Kosciusko Rd. (0648) 6 2458; MELBOURNE 55 Hardware St. (03) 67 4845; BOX HILL 8 Market St. (03) 898 8596; LAUNCESTON 124 John St. (003) 31 4240; HOBART 32 Criterion St. (002) 31 0777; ADELAIDE 40 Waymouth St. (08) 212 7857; PERTH 7a/59 East Pde. (09) 325 5984. For free brochures or Mail Order contact your nearest store or Paddy's Mail Order P.O. Box 175, Redfern 2016. (02) 264 2140.

Managing Editor Chris Baxter
Design & Advertising Michael Collie
Distribution Irene Curran
Administration Greg Andrews, Virginia
 Donaldson

Contributing Editors

Brian Watters *Reviews*
 Sandra Bowdwell *Track Notes*
 Yvonne McLaughlin *Camping*
 Stephen Buntton *Caving*
Special Adviser Steve Colman, Roger
 Lambit, David Noble (NSW), Colin Montsath (NZ),
 Bob Burton (Tas), Karen Alexander, John
 Chapman, Stephen Garnett, John Siseman,
 Glenn Tempest (Vic), Peter Ewing (WA)

Publisher Wild Publications Pty Ltd
Printing York Press Pty Ltd

Distribution Gordon and Gotch Limited

Subscription rates are currently \$16.95 for
 one year (four issues), or \$32.40 for two
 years, or \$45.90 for three years, by surface
 mail to addresses in Australia. Add \$4.50 for
 each four issues to overseas addresses.
 When moving, advise us immediately of your
 new and old addresses to avoid lost or
 delayed copies. Please also send your
 address label from an envelope received with
 a copy of *Wild*.

Advertising rates available on request.

Copy deadlines (advertising and editorial):
 8 October (summer issue), 15 January
 (autumn), 15 April (winter), 15 July (spring).
 See below for publication dates.

Contributions, preferably well illustrated with
 slides, are welcome. **Guidelines for**
Contributors are available on receipt of a
 stamped addressed envelope. Submissions
 must be typewritten, double-spaced with wide
 margins, using only one side of the paper, and
 accompanied by an envelope and sufficient
 postage for their return. Names and
 addresses should be written on manuscripts
 and photos as well. While every care is taken,
 we accept no responsibility for material
 submitted. Articles represent the views of the
 authors, and not necessarily those of the
 publisher.

Editorial, advertising, subscription,
distribution and general correspondence to:
 Wild Publications Pty Ltd, PO Box 415,
 Prahran, Victoria 3181, Australia.
 Phone (03) 240 8482

Wild is published quarterly in the middle of
 the month prior to cover date (cover dates:
 Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) by Wild
 Publications Pty Ltd. The name *Wild* (ISSN
 0726-2609) is registered as a trade mark, and
 the use of this name is prohibited. All material
 copyright © 1987 Wild Publications Pty Ltd. All
 rights reserved. No part of the contents of
 this publication may be reproduced without
 the prior written consent of the publisher. All
 attempts are made to verify advertising, track
 notes, route descriptions, maps and other
 information, but *Wild* cannot be held

responsible for erroneous, incomplete
 or misleading material. Audit Bureau
 of Circulations member. (The ABC
 records independently audited **fully-paid sales**
 of periodical publications. *Wild*'s current ABC
 paid circulation figure is available from *Wild*.)

Wild Things

Editorial

● THIS ISSUE MARKS THE END OF OUR SIXTH year of publication. At times in those years we scarcely had time to draw breath. Recently, however, we took time to find out more about you, our readers, and what you expect from your magazine. Copies of the questionnaire for our first readership survey were distributed to a broad sample of readers, with *Wild* no 23. The response has been so heavy that we wonder how we will ever finish processing them! When we do, however, we will have a much better idea of what you want from *Wild* and, hopefully, you will see the results of your requests in future issues.

We are, of course, delighted at the response to our survey and particularly thankful for the thoughtful and detailed comments and suggestions so many included. The lucky prize-winners in the readership survey draw are P Holloway of Preston, Victoria, who has won a J&H Dandelion superdown sleeping bag, and I Elliot of Preston, Victoria, who has won a Mountain Designs Gangotri II internal-frame rucksack. In addition, P Cahill (Kensington, SA), A Clancy (North Melbourne, Vic), and J Claperton (Frankston, Vic) each won a *Wild* Windbeater; G Fenton (Gowrie Park, Tas), I Smith (Blastrand East, NSW), M Keating (Bendigo, Vic), and I Tunbridge (Waltara, NSW) each won a one-year subscription to *Wild*; and M Bryse (Tylden, Vic), A Wakenshaw (Pakenham, Vic), J Shaw (Kalamunda, WA), M Pawlyszyn (Blastrand East, NSW), and C Austin (Nightcliff, NT) each won a *Wild* T-shirt.

Another project we are working on is, of course, the eagerly-awaited *Wild* indexes. (These are no ordinary indexes; we have set out to make them the Australian wilderness activities resource reference. Indeed if, before we started, we had realized the time and cost involved we might never have embarked on this venture!) The first index will cover our first ten issues (two and a half years, because *Wild* commenced publication in the middle of a year, 1981) and subsequent ones will each cover eight issues (two years). Hopefully the index for *Wild* nos 11-18 will be at the printer when you read this. We will let you know as soon as it, and others, are available. Keep an eye out for them.

It is no secret that right at the core of our readership are our valued subscribers, many of whom committed themselves to *Wild* when it was still just an idea and have remained the most faithful and cherished supporters of 'the *Wild* idea' ever since. To improve and streamline our vast and complex subscription system, and to further improve our service to subscribers, we are planning a major computerization. Like most big undertakings it is not an easy task but we believe it will be most worthwhile to all concerned. We are firmly committed to the concept of a 'priority service' to our subscribers.

We urge you to help us avoid waste on costly renewal-notice mailings by renewing your subscription early. (In fact, you do not even have to wait until your subscription expires—we will extend existing subscriptions at any time on

receipt of the appropriate payment. Some shrewd subscribers, apparently to avoid the effect of possible future price increases, have renewed their subscriptions well into the future!) The issue to which you are 'paid-up' appears as the last number above your name on each magazine (or renewal notice) address label. Because of the administrative savings possible



Chris dries his socks en route to Mt Jagungal, New South Wales.

with fewer renewal mailings, we offer a good discount for two- and three-year subscriptions and renewals. So each magazine is then much cheaper than it can be bought across the counter, and subscribers are also immune from the price increases which may occur during that period. We recently passed the 6,000 subscriber mark: let's try for 12,000!

If you are renewing a subscription please let us know if it is a *renewal* (that you are *not* subscribing for the first time). Unless this is specified, your name may be entered in our records for a second time and you will probably get duplicate copies of your next issue, and your subscription will then expire one issue too soon. Similarly, when sending gift subscriptions, please indicate whether they are *new* gift subscriptions or gift subscription renewals. This will save much unnecessary waste and confusion. Please notify us promptly of address changes (preferably enclosing your address label from previous issues of *Wild*).

I am excited about issues we have coming up this year—bushwalkers, in particular, will welcome them—and look forward to seeing you in the bush. ●

Chris Baxter
 Chris Baxter
 Managing Editor

Himalaya Tunnel Tent

A generous-sized (240 x 160 x 110 centimetre interior) three-person, three-peak, three-season, tunnel tent. Made from taffeta nylon, the Himalaya has two zip entrances with fly-screens and vestibules. Fibreglass poles are shock-corded for easy assembly. Reversible fly with reflective metallic finish. Tent, fly, poles, pegs, guy cords, and stuff-sack weigh about 4 kg.

RRP \$198. Now

\$160

WARNING!

At these
prices even

YOU

could become
a gear freak!

For the greatest
savings under the
sun, head for
Southern Cross.

Reliable and
experienced staff will
help you select from
the finest rucksacks,
tents, sleeping bags,
specialised clothing
and footwear, stoves,
maps and accessories.

Southern Cross
Equipment stores
offer YHA
membership facilities
and, through our
service branches,
equipment hire,
maintenance and
repair. For further
information, mail
orders and free colour
brochures contact

**Southern Cross
Equipment Pty Ltd,**
222 Pacific Highway,
Hornsby, NSW 2077.
Phone (02) 476 5566.

The outdoors people
more people rely on.

Chatswood

66-70 Archer Street
(just off Victoria Avenue)
(02) 412 3372

Hornsby
222 Pacific Highway
(02) 476 5566

Parramatta

28 Phillip Street

(02) 633 4527

Sydney (City)

355 Kent Street

(02) 29 4526



New Downia Eston 3 Sleeping Bag

1,200 grams of down-like
miracle Eston 3 Thermolite
fibres inside a box-walled
nylon shell. A unique and
versatile three-season

rectangular sleeping bag
weighing less than two
kilograms. Eston 3 is
washable, non-allergenic,
and odourless, not to
mention cosy, resilient

lightweight, and
economical. Side- and
bottom-zip for temperature
regulation and pairing.

Draw-cord hood and
draught collar. Designed
and made in Australia.

RRP \$100. Now

\$75

Suun A20 Compa

Tough, handy-size
versatile rapid-read
compass with three scales
including a millimetre scale.
Security cord. Crystal
clear, scratch-resistant
luminous, oil-dampening
compass housing.

K&R Com Ma Measure

Accurately measures
distances as you trace
route on a map or street
directory. Mile
kilometre scales.
Resetting. Fold
magnifying glass.

RRP \$33.50. Both now

\$26

Karrimor Jaguar S6

A practical 63 litre
internal-frame, double
compartment pack with
zip-out divider, ventilation
and contoured harness
with adjustable straps
length, conical hip belt
lumbar support, a
sternum strap and
support with minimum
contact area mean year
round comfort. Non-abrasive
cotton and polyester contact
surface. Bomprom® KS 1000
fabric, double-stitched
taped seams. Compression
straps, accessory patches.

Internal storage pouch
and best of all, the

Karrimor Lifetime
Guarantee.

RRP \$285. Now

\$235

Contributors

James Adams is an editor of the University of New South Wales student newspaper *Tharunka*, and is a recent BSc (Design Studies) graduate. His graduation project was on the design of lightweight bushwalking stoves! This interest in stoves is a natural development of his childhood love of all machines, and his clock-destroying curiosity.

A bushwalker, rockclimber, and cyclist, James has walked through much of NSW and Tasmania, as well as parts of New Zealand. In 1987 he plans to expand his horizons internationally on a shoestring budget.

Syd Boydell is a schoolteacher, at St Michael's Grammar School in the Melbourne suburb of St Kilda, who has been enjoying bushwalking



and introducing others to it for many more years than he cares to admit. He confesses to have been a gear freak in the past, but is now trying to live a better life. He is, however, grateful for the advent of much modern lightweight gear.

Dennis Harding, now in his early thirties, has lived in Deloraine, Tasmania, all his life. A self-employed wedding and portrait photographer,



Dennis has been solo bushwalking in central Tasmania for 11 years, and has taken many of his outstanding wilderness photos in this area.

His work has appeared in a variety of conservation publications, and he is working on his own book, on Tasmanian wilderness.

David Poland was introduced to bushwalking when he was at school, in Sydney. Since then he has survived bushwalking trips in New Zealand, Kashmir, Nepal, and the highlands of Papua New Guinea. In 1985 he took part in a 26-day exploration of the Osmond Ranges in the Kimberleys, Western Australia.

David's other interests include cycling, Li-Loing, canyoning and swimming. He is an active member of the Wilderness Society and the University of New South Wales Bushwalking Club. Despite this background, he eventually wants to settle down as a sedentary general practitioner with major interests in paediatrics and sports medicine.

Chris Sharples has walked extensively in South-west Tasmania for over ten years, and is also a keen sky-diver. He intends to combine sky-diving and mountaineering by leaping off some of the world's highest cliffs, an act he claims is safe if the cliff is high enough!

After working as a geologist for some years he realized that a full-time career would stop him from attempting many of the things he wants to do, and now works on a contract basis only. He is convinced that life has extraordinary



experiences to offer, and is concerned that the quality of our lives, both individually and collectively, suffers greatly because of the cultural obstacles to such experiences.

These notes describe writers and photographers whose first contribution to *Wild* appears in this issue. Brief notes at the conclusion of articles and features by contributors whose work has been previously published in *Wild* include reference to the issue in which it first appeared.

COPIED IN LOOKS, BUT NOT IN QUALITY.

Beware of inferior imitations! Only SILVA compasses are made with a highly magnetised Swedish steel needle set on a sapphire jewelled bearing to ensure life-long accuracy and dependability. The rotating capsule is filled with a non-yellowing, permanently clear anti-static liquid for quick, sure direction finding and tested for proven performance at -40°C to +50°C. It's shockproof and waterproof to survive the rigors of outdoors adventure.

For over 50 years SILVA has shown bushwalkers, adventurers and explorers how to get where they are going and how to get back. The SILVA system is as easy to use as 1-2-3. It's so simple even a child can learn it.

And with SILVA there is no compromise for quality. Sold only by camping stores that sell good quality camping gear.



Send stamped self-addressed envelope to:
Silva Compass
44 Alexandra Pde,
Clifton Hill,
Melbourne 3068

You will see the Outgear label more and more – on a range of well designed, rigorously tested and carefully crafted bushwalking equipment. In just four years Outgear has become an influential manufacturer, supplying individuals, families, schools, professionals and expeditions with rugged and practical equipment that is made to last. Outgear products are made in Australia from the highest quality materials from around the world. Outgear products are only sold in better specialist shops by people who can best service your needs. We back our products with a long-term guarantee. We also supply materials and accessories to enthusiasts who make, modify or repair their own gear. Look for the Outgear logo on *rucksacks, day packs, stuff sacks, silk or cotton sleeping sheets, map cases, whistles, tent pegs, fabric, webbing or buckles*. Look for Outgear down-to-earth products at your specialist bushwalking shop. Outgear, PO Box 6, Maribyrnong, Victoria 3032. Telephone (03) 317 8886.

Outgear
MADE IN AUSTRALIA



DOWN TO EARTH PRODUCTS

WANTED

Young men and women 17-30 years
men and women over 30 years.

Brave enough to have a good, penetrating look at themselves and how they handle life.

Adventurous enough to tackle the unknown and to face new challenges.

Bold enough to risk new social relationships and to work with other people to achieve.

Strong enough to leave all that is familiar and to seek an understanding of their future.

Excited enough to want to expedition, cave, raft, rock-climb, abseil, canoe, ski.

Interested enough to want to see some of the most magnificent mountains, bushland, rivers, rainforests and natural places in Australia.

and

Courageous enough to decide that NOW is the time to find out what Outward Bound really is all about.



OUTWARD BOUND AUSTRALIA

Box 4213 GPO Sydney, N.S.W. 2001
Telephone (02) 29 7784.

Please send me information about

Standard Course Men and Women 17-30 years

Adult Course Men and Women Over 30 Years

Pack and Paddle for Boys and Girls 12-16 years

NAME

ADDRESS

P/Code Tel

AW AUTUMN 87

Alliance Foods

ALLIANCE FREEZE DRI



FREEZE DRI 'MENU'

- sliced lamb and peas
- sliced beef and beans
- beef curry and rice
- savoury mince and rice
- beef casserole
- chilli con carne
- beef cubes
- beef mince
- sweet and sour lamb
- sweet and sour pork
- smoked fish and parsley sauce
- macaroni cheese
- savoury beef in spaghetti
- beef steak
- yoghurt
- apples and apricots

Convenient, wholesome export quality precooked meals — ruggedly packed from Alliance Foods.

Alliance Freeze Dri contains a wide variety of foods, including breakfasts, mains and dessert items, giving you an easy-to-prepare, lightweight meal for all outdoor situations.



CLIMBING



TRAMPING



HIKING



SAILING

AVAILABLE FROM ALL LEADING SPORTS
AND OUTDOOR ACTIVITY SHOPS

Marketed and Distributed by:

OUTDOOR AGENCIES
PTY LTD
P.O. Box 175
Redfern
N.S.W. 2016
Phone (02) 6996697

RICHARDS McCALLUM
ASIA LTD
P.O. Box 14
Abbotsford
Victoria 3067
Phone (03) 4194211

Manufactured by:

ALLIANCE FOODS
P.O. Box 845
Invercargill
New Zealand
Telex No. NZ5325
Phone (021) 59099

DG-A-D-200

BLUE MOUNTAINS CLIMBING SCHOOL

285 MAIN STREET, KATOOMBA NSW 2780 TELEPHONE (047) 82 346/

- * We offer the biggest range of courses, specialist instruction and expeditions available.
- * Guided climbs and instruction on any day of the year!
- * Learn in complete safety under the close supervision of experienced, friendly instructors.
- * Contact us for our free 16 page brochure.

JIM'S BACKPACKER

Adventure Travel & Lightweight Camping Supplies
76 Wickham Street,
The Valley, Qld 4006
(07) 839 6609
or 839 6611

- Travel packs • Tents
- Sleeping bags
- Camping stoves
- Travel books
- Climbing gear

Booking agents for:

- Australian Himalayan Expeditions
- Nymboida White Water Rafting
- Outdoor Australia
- Peregrine Expeditions
- Sunshine Balloons
- Wilderness Expeditions

NULARBOR DOWN UNDER CAVING EXPEDITIONS

Explore some of the most awesome and extensive caves in Australia. Experience the thrill of rafting and 'space walking' in lakes as clear as crystal, or descending a blow-hole. Assist university and heritage bodies in fossil excavations and Aboriginal site recording. No previous caving experience is required, equipment and expert tuition supplied. Join us for an adventure that is definitely out of the ordinary.

12 days \$225. May 27,

August 23 1987.

For bookings and details

contact:

OSPREY WILDLIFE EXPEDITIONS

278 Strathalbyn Road, Aldgate,
South Australia 5154, (08) 339 4899

This is no place like home



This is something completely different: stunning mountain scenery, powder snow, and long, long runs. More ski touring excitement than you've ever dreamt of. New Zealand has something to excite every ski tourer: scenic touring playgrounds, remote mountain plateaus, and the slopes of live volcano cones. Telemark territory! Make New Zealand your winter holiday home this year.

**NEW
ZEALAND**



**New Zealand
Tourist & Publicity
Travel Office**

Please send me information about New Zealand winter adventure holidays.

I am particularly interested in:

- Car, motorhome rental
- Guided ski tours
- Heliskiing
- Resort-based holidays
- Ski mountaineering

Name.....

Address.....

.....
.....
.....

State.....

New Zealand Travel Office **Sydney** 15 Pitt Street, NSW 2000 **Melbourne** 330 Collins Street, VIC 3000 **Adelaide** 26 Flinders Street, SA 5000 **Brisbane** Watkins Place, 298 Edward Street, QLD 4000 **Perth** NZ Consulate, 16 St Georges Terrace, WA 6000

Aw

Mt Cook and Mt Tasman loom above the Tasman Glacier. Photo Steve MacDonald



EVERYTHING from A to Z

- Abseiling
- Books
- Cooking gear
- Down garments
- Eats
- Footwear
- Gas equipment
- Head gear
- Insulation mats
- Jackets
- Knives
- Life jackets
- Maps
- Nylon material
- Overmits

- Panniers
- Quick release buckles
- Rucksacks
- Sleeping bags
- Tents
- Underwear
- Vests
- Wet weather gear
- Xena-lite byTekna
- Youth Hostel membership
- Zips

**Phone us
first...
(02) 858 3833**

**eastwood
camping
centre**

3 Trelawney Street (PO Box 131) Eastwood NSW 2122

Phone or write for expert advice.

Wilderness Medical Response Course

This, the most comprehensive wilderness first aid course ever offered in Australia, aims to provide participants with a basic knowledge of life-support systems in remote settings. Five-day courses and week-end seminars are run by visiting Canadian expert Chuck Samuels. Book early, as places are limited. Presented by Wilderness Expeditions in the interests of safer wilderness travel. Call us now for a brochure.

Wilderness Expeditions

100 Clarence Street
Sydney 2000
(02) 29 1581.
26 Sharp Street
Cooma 2630
(0648) 21 587.



ROCKCRAFT CLIMBING SCHOOL

CLIMB WITH AUSTRALIA'S LEADING PROFESSIONAL CLIMBING GUIDES AND INSTRUCTORS.

CLIMBING COURSES TO SUIT ALL LEVELS FROM BEGINNERS TO ADVANCED. GUIDED CLIMBS AND INSTRUCTION ON ANY DAY OF THE YEAR.

- Abseiling
- Rock climbing
- Ice Climbing
- Ski Mountaineering
- Trekking
- Guided Climbs
- Expeditions
- Private Instruction

Write for our brochure:
195 Katoomba Street, Katoomba,
NSW 2780. Tel (047) 82 2014



The lightweight strength of the Macpac Olympus tent keeps me dry and comfortable in the worst conditions.



The MSR XG-K, Firefly or Whisperlight stoves teamed with Sigg billies will satisfy the most demanding bush chef.



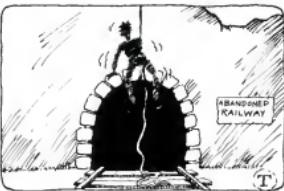
It's all lightweight and packs easily. Especially if you need to get going in a hurry.



Australia's largest range of ascenders and static ropes. From CMI, Petzl, and Bluewater. Equipment you can rely on to get you out of the toughest spots.



And a huge range of headlamps and torches. Including Petzl's Zoom headlamp.



I'm glad I bought my gear at Wildsports

Gear you can rely on.

wildsports

formerly Caving Equipment

For cavers, climbers, walkers, skiers, canyoneers – anyone who's out in the wild. Wildsports' got the gear. Write for our free catalogue.

327 Sussex Street, Sydney 2000
Mail orders to PO Box 2302, Queen Victoria Bldg, 2000
Telephone (24 hours) (02) 264 2085

Please send me your catalogue

Name _____

Address _____

Please _____

Illustration: A. Astley (top) & J. T. (bottom)

Adult Adventure

Reserve the time NOW
...for the time of your life!

- 2 Day Certificate Abseiling Adventures.
- 2 Day Certificate Rockclimbing Adventures.
- 7 Day Rope, Rock & Rainforest Adventure Expeditions.

"More than 600 Happy students so far"

Arrange an ADVENTURE NOW for your next Tropical holiday. Send in the attached form to:

MACKAY ROCKSPORTS 22 Lindeman Ave,
Lambers Beach, Mackay, Qld. 4741.

Or Telephone: (079) 55 1273



MACKAY ROCKSPORTS

We'll keep time... for you.



Please send me more information
on your Adventures in Mackay

Name _____

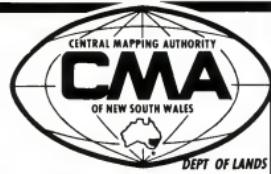
Address _____

P Code _____

Phone _____

TRPA/Advertiser 215

Seeking Adventure?



MAPS show the way...

- **bushwalking**
- **canoeing**
- **camping**
- **climbing**
- **skiing**

CMA maps are available from many newsagents, bookstores, tourist information centres, service stations, camping supply stores, Forestry Commission, Lands Offices, National Parks & Wildlife Service or the CMA directly.

send for your **FREE**
'Catalogue of NSW Maps'

Name

Address

.....

Postcode

CENTRAL MAPPING AUTHORITY

Panorama Av Bathurst NSW 2795
telephone (063) 31 5344

ROCKCLIMB ABSEIL



Do you want
to try these
exciting sports?

- Special beginner dates
- Professional instructors
- Convenient week-end packages
- Everything included
- Rapid progress for beginners

We are adventure holiday
and travel specialists.

 **outdoor travel centre**
Wilderness Adventures Worldwide

377 Little Bourke Street, Melbourne. (03) 67 7252



LOOKING FOR OUTDOOR EQUIPMENT?

FOR TOP BRANDS SUCH AS
LOWE, KARRIMOR, J&H, FAIRYDOWN,
OPTIMUS, TRANGIA, ASOLO, ZAMBERLAN

**AT VERY COMPETITIVE PRICES
WITH HELPFUL, PROFESSIONAL SERVICE**

COME AND SEE US AT:

Alp Sport

SKI and CAMPING CENTRE

**1045-1047 VICTORIA ROAD,
WEST RYDE, NSW 2114. Ph: (02) 85 6099**

STICKIER THAN BUBBLE GUM! LA SPORTIVA MARIACHERS



- SUPERIOR FRICTION • NARROW, LOW-PROFILE TOE
- TOUGH, NO-STRETCH CANVAS-LINED SUEDE UPPER
- HEEL AND ARCH BANDS PREVENT HEEL-LIFT
- QUARTER SIZES • REPLACEMENT SOLES AVAILABLE

Bushcraft Equipment 29 Stewart Street, Wollongong 2500. Ph (042) 29 6748
 Mountain Equipment 291 Sussex Street, Sydney 2000. Ph (02) 267 3639. Mail orders welcome.
 Torre Mountairstaff 600 Sherwood Road, Sherwood 4075. Ph (07) 379 5549

ROCKCLIMBING

ABSEILING

Whether you are venturing into these activities for the first time or wanting to improve your existing skills, you deserve a good, qualified teacher. Your fulfilment is my primary aim; and success is made likely by 20 years' experience of professional instruction, backed by friendly informality.

Courses for individuals are held very frequently in Victoria's premier areas of the Grampians and Mt. Arapiles.

Private guiding by arrangement. School and other groups welcome.

Also

Bushwalks, Treks and Camps in the Grampians for parties of at least 6 people.

All year round. Moderate charges. Brochure available from:



'Musbury' P.O. Box 37 Halls Gap 3381. (053) 56 4300
 Director: David Witham

Mt Aspiring Treks

Three days of trekking, rafting and just a taste of mountaineering



Wayatt's Astro Harness

This harness (inset) was designed by Geoff Wayatt for all mountaineering situations. When a mountaineer falls down a crevasse or aid climbs a bare wall he needs a harness that is light, strong, light-weight, simple and convenient. Compare the following attributes with the alternatives and make your choice. 1 One size fits all waist and leg sizes. 2 Buckle system is interchangeable with standard webbing. 3 Durable 100% polypropylene webbing. 4 Allows for two hammer holsters at hips. 5 10 cm wide waistband protects kidneys during awkward backward falls. 6 Optional waist tie only, when sleeping on narrow ledges. 7 Weight less than 1.5 kg. 8 600 g with two holsters. 9 Unique three-position leg loops at pelvis and thighs. Superior for hanging, belays, prusiking and falling. 10 Convenient toilet use without disassembly. Great for big walls, high altitude and ledges!

For colour brochures write to:

MOUNTAIN RECREATION
 Professional Mountaineers P.O. Box 204
 Wanaka New Zealand Phone (02943) 7330
 School of mountaineering, Mt Aspiring National Park.
 Mt Aspiring Treks. Equipment 1987 Canadian Ski Tour.

WILD BINDERS



Protect your magazines in good-looking *Wild* binders. Emerald green with light green lettering, each one holds eight copies of *Wild*. Only \$11.95 (including packaging and surface postage anywhere in the world). Use the *Wild* Order Form in this issue or send cheque/money order and details to Wild Publications Pty Ltd, P.O. Box 415, Prahran, Victoria 3181.

TOUGH TENTS.



Tough talk.

The new tents from Eureka have been designed to be tough against wear, tough against tear and tough against the elements.

And all feature thoughtful inclusions that you shouldn't have to think about. Like zippers engineered to keep on zipping. Slide-in tubes that really do slide in. Springy shock cord that stays springy. Even waterproof taped seams that stay waterproof.

Little things that can make a big difference to a weekend in the bush.

The Gossamer. Light and tough.

The one man Gossamer weighs in at a mere 1.3kg. But still features a full netted vestibule front, roll-away fly, star gazing net roof and a side-entry.

The Crescent. Light and airy.

The solo cyclist or back packer Crescent features a full-length side-entry with screen and zip-up door with rain shelter hood over the windows.

It is self-supporting and has full sitting head room.

The Timberline. Old classic with new features.

The Timberline is now available in six, four or two camper models.

Each with the same classic shape and each with the new features like a longer fly and fully taped seams in the floor.

Roomy vestibules are available as options.

Dome shaped tents. Totally self supporting.

The five-hiker Adirondack is very spacious and features a hooded overall fly that protects the windows, and allows them to remain partially open in a down-

pour. The rear window and door window are huge. The four-man Timasack again utilizes a fibreglass frame, shock-corded for quick pitching.

The Alpine Meadow. Four seasons tent.

The Alpine Meadow is now available in four and two trekker models.

Both feature a much higher headroom than usual, a heavy duty floor, taped seams and an all-aluminium frame.

The overall fly increases the stability of the structure and is hooded in front, and in the back, to shield the door and windows from the sun and rain. A roomy vestibule is also included.

A second vestibule is available as an option.

A tough act to follow.

We don't think there is a range of tents tougher than ours. Show us your coupon and we'll show you why we are a tough act to follow.

All products are fully guaranteed.*

Eureka!

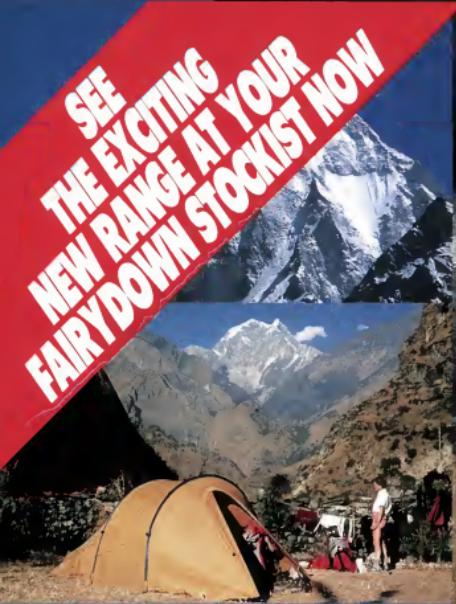
FOR RUSH DELIVERY OF 86/87 CATALOGUE POST OR CALL FREE 008 22 6383

NAME _____

ADDRESS _____

POSTCODE _____

ANOTHER QUALITY PRODUCT FROM JOHNSON DIVERSIFIED A DIVISION OF S.C. JOHNSON AND SON PTY LIMITED (INCORPORATED IN NEW SOUTH WALES) HEAD OFFICE 160 EPPING ROAD LANE COVE NSW 2066 AUSTRALIA
TELEPHONE 02 428 9111 TELEX AA2848 JONWAX MAIL PRIVATE MAIL BAG 22 LANE COVE NSW 2066
*GUARANTEED AGAINST FAULTY MANUFACTURE AND MATERIALS GROUP MARSHALL



Clockwise from top left: Shivling (6,543 metres), Indian Himalaya. Jon Muir during his first ascent of Shivling's spectacular South-west Pillar. Fairydowm Spider daypack, Khumjung, Nepal. The classical Fairydowm 20 Below sleeping bag. Fairydowm Terra Nova pack, Kanteega and Thamserku behind, Nepal. Fairydowm Altimate II, Tatopani, Nepal.

When enjoying the outdoors taking the best means

Do you ever feel that 'getting away from it all' involves taking an awful lot with you? Increasingly you will find that carrying less means enjoying it more. No accessories, just necessities. You know you've got it right when carrying any less puts you at risk and any more will slow you down. When you rely on less, it's got to be the best—don't take unnecessary risks, take Fairydowm. Your life, not just your comfort, may depend on your choice.

When travelling light matters most, Fairydowm is the choice of climbers at the forefront; from the first ascent of Mt Everest in 1953 to Jon Muir's difficult new route on

Shivling in 1986. While you may not be climbing to 8,000 metres or skiing across Antarctica, when you're a long way from home it's good to know that your gear can take the worst and come back for more.

When everything you take is indispensable, be like Sir Edmund Hillary and Jon Muir, and make sure it's Fairydowm. Inspect the new, 1987 Fairydowm range of packs, tents, and sleeping bags at these better outdoor shops:

Queensland: Jim the Backpacker, Brisbane. The Camping Centre, Brisbane. Scout Outdoor Centre, Brisbane. New South Wales:



Clockwise from top left: Jenny Basset and Fairydown sleeping bags on the *Dick Smith Explorer*, Antarctica. Bob Shepherd, International Polar Expedition 1986, Fairydown Endeavour pack. Telemarking in the Southern Alps, New Zealand. Dawn in the Kosciuszko National Park, New South Wales. Fairydown Terra Nova pack, Mt Tora, Southern Alps, New Zealand. Paul Caffyn, the first man to paddle round Australia, inside a Fairydown Leading Lite sleeping bag on the west coast of New Zealand.

more means taking less gear... taking Fairydown.

Southern Cross Camping Equipment, Sydney. Eastwood Camping Centre, Sydney. Mountain Equipment, Sydney. Norski, Sydney. Alp Sport, Sydney. Scout Outdoor Centres, Sydney, Wagga. Caving Equipment, Sydney. Wollongong Bushcraft, Wollongong. Australian Capital Territory: CSE Camping & Sports, Canberra. Houdine Camping, Canberra. Jurkiewicz Camping Centre, Canberra. Paddy Pallin, Canberra. Scout Outdoor Centre, Canberra. Wild Country, Canberra. Victoria: Bush & Mountain Sports, Melbourne. Paddy Pallin, Melbourne. Scout Outdoor Centres, Melbourne, Mitcham, Moorabbin. Ajays, Heathmont. Eastern Mountain Centre, Camberwell. Wilderness Shop, Box Hill. Marashal Camping, Dandenong. Outsports, Caulfield,

Frankston. Hike and Ski, Frankston. Chandler Hobby & Toy Centre, Shepparton. Central Victorian Outdoor Services, Bendigo. Keenans Swagman Centre, Wangaratta. South Australia: Flinders Ranges, Adelaide. Scout Outdoor Centre, Adelaide. Thor-Paddy Pallin, Adelaide. Mountain Designs, Adelaide. Tasmania: Scout Outdoor Centre, Hobart. Allgoods, Launceston. Paddy Pallin, Launceston. Youngs Outdoor Gear, Burnie. Western Australia: Big Country, Perth. Scout Outdoor Centre, Perth. Wild West, Fremantle.



We go to Extremes

MAMMUT

WHEN YOUR LIFE IS ON THE LINE
ONLY THE BEST IS GOOD ENOUGH



AVAILABLE EXCLUSIVELY
FROM MOUNTAIN DESIGNS

BRISBANE SYDNEY CANBERRA MELBOURNE MITCHAM ADELAIDE PERTH FREMANTLE

Tiger Walk

Peter Treseder traverses the NSW and Victorian high country in ten days

Wild Information

• **Bush Marathon.** In *Wild* no 22 we reported that Peter Treseder planned to run the 1,439 kilometres from the Barrington Tops, New South Wales, to Walhalla, Victoria, in 12 days. This report was not entirely correct—in November Treseder completed this epic solo traverse of National Parks in only ten days! (See article on page 30.)

• **Keith Egerton.** Popular and accomplished Melbourne climber Keith Egerton died, probably of pulmonary oedema, during a daring lightweight attempt with Terry Tremble and New Zealander Don French on Jannu (7,710 metres) in the Nepal Himalayas. Attempting the difficult



Tiger-walker Treseder training near Sydney. Klaus Hueneka. **Right:** Keith Egerton, with Nepalese porter, on the approach to Jannu. **Above right:** Camp Three on Jannu, Nepal. Tremble

original route on the mountain, the trio had overcome the major difficulties to establish a bivouac on a plateau at 7,000 metres. With perfect weather, success seemed assured when Egerton became ill. He died the following day during the long and difficult descent.

Egerton had attempted major Himalayan peaks such as Mustagh Ata and Nanda Devi, and had climbed in Europe and New Zealand. A highly competent and respected rock climber, he was a leading pioneer of new climbs in south-east Australia. He will be sadly missed by many bush- and mountain-lovers.

• **Killing Kakadu.** A mining company, supported by the Northern Territory Government, has thrown into doubt the listing of Kakadu National Park Stage II by the World Heritage Committee in Paris. The company has taken injunction proceedings to prevent the



Australian Government's application for listing, and other court proceedings have been initiated to challenge the new plan of management for the park.

• **Destroying Daintree.** A conservation group calling itself the Greater Daintree Action Centre has started a petition to have this unique part of north Queensland saved from further

'development' in the form of logging, mining, road-works, real estate subdivision, and clearing for agriculture. Over 13,000 signatures have been obtained in the Cape Tribulation area alone.

• **New Track.** A 46 kilometre 'Wilderness Trail' has been opened in Queensland's Cooloola National Park. The new track commemorates the 150th anniversary of the rescue of Eliza Fraser from the northern shore of Lake Coorhababa.

• **Sunmap.** Queensland's Department of Mapping and Surveying has published a new edition of its *Sunmap Guide*, detailing map coverage of Queensland published to July 1986. Copies of the guide can be obtained, free, from the Surveyor General, PO Box 234, North Quay, Brisbane, Qld 4000.

• **NSW Park News.** Major additions to two National Parks were announced at the end of 1986: 17,354 hectares, stretching from Mt Werong in the north, to Wombeyan Caves in the south, were added to Blue Mountains National Park, and 10,500 hectares were added to Goulburn River National Park. The latter addition is claimed to create the largest continuous area of National Park in NSW.

In late November it was announced that 'the cream of the New South Wales rainforest' had been placed on the World Heritage List—Australia's sixth World Heritage Area. (In fact, 15 rainforest parks and reserves, constituting a total of approximately 100,000 hectares of rainforest, are involved.)

SALOMON

KEEP THE FEELING ALIVE!



Exhilaration... it's a special feeling... gliding effortlessly over the snow. Savoring the fresh outdoors. Taking every hill, every open plain, every thrilling run... right in your stride... and every stride is a pleasure. You're in complete control... and complete comfort with the Salomon SR601 and SR Automatic... the precision-matched SNS boot/binding combination. The SR601 boots are designed for all-purpose touring and feature a bi-material sole and special external arch support for greater stability and comfort. The Internal Fit System gives you excellent heel-hold and forefoot freedom. Foam insoles cushion your stride... and a waterproof overboot keeps your feet warm and dry, every step of the way. The binding flex plate allows you optimal heel lift for a longer, smoother stride. The central profile ridge fits into the sole of the boot for more positive response and steering control. And with the SR Automatic, you have the convenience of hands-free operation. For pure skiing enjoyment, year after year... get the Salomon SR601 and the SR Automatic... and keep the feeling alive!



SALOMON
FOR THE COMPETITOR IN US ALL

Social Climbing

International rock stars at rockclimbing meet

Wild Information

• **Rock News.** The Victorian Climbing Club's International Climbing Meet, held at Mt Arapiles in November, attracted several hundred climbers, including many from overseas. 'Stars' who attended included Wolfgang Gullich (West



Top French rock star, Didier Rabouillet, did the second ascent of Lord of the Rings (31) at the International Climbing Meet at Mt Arapiles. Glenn Robbins. **Above**, Canadian ace, Peter Croft, on Sandinista (22), Mt Stapylton, Victoria. Andrew Corless. **Right**, leading West German climber, Wolfgang Gullich, on Angular Perspective (28), Bundaleer, Victoria, during the meet. Robbins

Germany), and Didier Rabouillet and Jean-Claude Droyer (France). Ex-patriate Australian 'rock star', Kim Carrigan, even flew in from Switzerland but, as he was married (near Melbourne) just before the event, his energies



appeared to be devoted more to honeymooning than climbing!

Leading Canadian rockclimber, Peter Croft, was in Australia after the meet and impressed locals with unroped solo ascents of climbs such as Paladin (24) and Horrorscope (24) at Mt Arapiles. (Last May, Croft and American, John Bachar shook the climbing world by climbing two famous big-wall climbs in California's Yosemite Valley in one day. In a total of 20 hours 10 minutes they climbed both the Nose of El Capitan and the original route on the North-west Face of Half Dome, some 58 pitches of technical climbing!)

Following the Editorial and information in *Wild* no 23 on climbing bans, it has been

revealed, after the discovery by climbers of a concealed hide for birdwatching at Werribee Gorge, Victoria, that climbers have been under a misimpression about peregrine falcons nesting in the area. Rockclimbing on the Amphitheatre has been banned for up to five months of every year from 1976, supposedly because of peregrine falcons nesting there. A spokesman for Victoria's Department of Conservation, Forests & Lands, which administers the area, has now acknowledged that there was no peregrine nesting at this cliff, nor, it appears, anywhere else in the Werribee Gorge State Park, in any year from when the park was established, in 1975, until 1985! (During this period the 'nesting' ban was extended both in

ACTIVE LEISUREWEAR™ polarplus™



POLARPLUS™ is the very latest in fabric development from Malden, constructed with fine denier Dacron® DuPont Polyester. It is a double-faced velour pile that contains nearly all the advantages of other pile fabrics but with few of their faults.

1. The highest warmth to weight ratio of all pile fabrics developed to date.
2. Luxuriously soft next to the skin.
3. Total resistance to pilling.
4. Unequalled stretch but always recovers its shape to the millimetre.
5. Rapid drying due to minimal water absorption.

When a fabric with such outstanding performance characteristics is combined with Berghaus manufacturing quality and design expertise,

a stunning range of clothing is assured. Suitable for a wide variety of outdoor activities, the range consists of four garments in a choice of seven colours.

Berghaus Polarplus Clothing — active leisure wear that looks good, feels good and performs.

A NEW full colour catalogue is now available showing the whole range of Berghaus technical equipment and clothing. For your copy write to:



Outdoor Agencies Pty Ltd,
Unit 14F, Hordern Place,
Camperdown, NSW 2050

berghaus

Berghaus Limited
34 Dean Street,
Newcastle upon Tyne NE1 1PG,
England.

time and area, to include the whole south side of the park, as well as the Staughton Vale cliff).

The *Wimmera Mail-Times* reports that the Department of Conservation, Forests & Lands wants to appoint a full-time Ranger for the proposed Mt Arapiles-Toon State Park (which

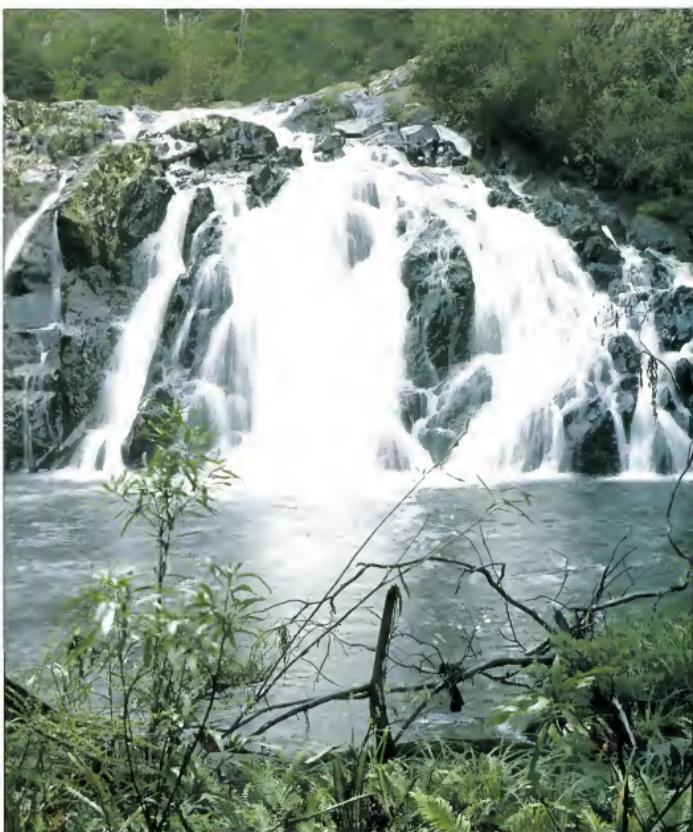


Top, David Tatnall in the Brodribb River area of East Gippsland, Victoria. **Above**, US television crew at Mt Donna Buang, Victoria. **Right**, waterfall on the Rodger River, East Gippsland.

has not yet been proclaimed), and that the department considers it may be necessary to restrict camping in the area.

The climbing ban at Big Rock, in Victoria's You Yangs, no longer applies, according to a department spokesman.

For two years running, Mt Everest summiteers Tim Macartney-Shape and Greg Mortimer have been thwarted by officialdom in



attempts to climb on the spectacular sea stack, Balls Pyramid, near Lord Howe Island. The first trip was abandoned after the Lord Howe Island Board tried to charge expedition sponsor, Dick Smith, a \$500 'peak fee'. Smith refused, saying he would not pay for the privilege of giving his own money away.

A second expedition, comprising five climbers and seven scientists, which was to have visited Balls Pyramid in 1986, would have been charged \$300 for the first day and \$150 for each subsequent day on the peak. The board announced that it has banned all 'recreational' climbing on Balls Pyramid and says it will consider only expeditions conducting 'scientific' research. (The proposed fees, and other onerous conditions, were reportedly recommended to the board by the NSW National Parks & Wildlife Service, which claimed the fee is a standard fee which we levy on anyone who wishes to participate in such activities in any National Park in NSW!)

Readers who are aware of any proposed or

existing restrictions on rockclimbing and allied activities on public land anywhere in Australia are asked to send full details to *Wild*, to assist in the publication of up-to-date information.

● **On with the Show.** Landscape photographer David Tatnall and sound recordist Duncan Smith have produced a 20-minute 'Image and Soundscape' on the Rodger River area in Victoria's East Gippsland.

The Image and Soundscape takes the audience on a journey through the forest. Medium-format colour transparencies are projected on to a large screen by two projectors, and a dissolve unit specially imported for the presentations. While the images are projected, stereo sounds recorded in the forest are played through four speakers, recreating the experience of being in the forest.

While gathering material for their Image and Soundscape, Tatnall and Smith discovered a substantial waterfall on the Rodger River. The waterfall is downstream from Waratah Flat, in

WHISPER HOT!

four minutes. ► The WhisperLite is quiet and efficient. The innovative, ported burner can unleash a 'Krakatoa blast' or can be tamed to simmer and, with windshield, performs even in adverse conditions. ► The WhisperLite is light and compact! This stove folds to fit inside your cook set. ► The WhisperLite is easy and safe to operate. The unique MSR stove pump is stored, inserted, in a one litre fuel bottle, eliminating dangerous fuel handling. ► The WhisperLite is a reliable and durable stove with a distinguished expedition heritage. ► Available from all good outdoor shops. Sole Australian distributor: DB Biggs Pty Ltd, 153 Sussex Street, Sydney, NSW 2000.



WILDERNESS SPECIALS

Huge Savings on
Berghaus Packs



	Regular Our	price
Walking packs		
AB 70 GT	\$270	\$229
AB 65 BC	\$244	\$218
AB Expedition	\$267	\$238
AB 75	\$238	\$209
Travel packs	Regular Our	price
Mustang A65	\$259	\$228

PLASTIC FANTASTIC

Canoes, kayaks and accessories. Mail order direct to you anywhere in Australia at the most competitive prices. Write or phone for free brochures.



Dancer High performance, white-water play boat. Ideal for the enthusiast.

Explorer 16-foot, three-seater, all-round Canadian canoe with large load-carrying capacity. Great for white-water touring. Ideal for hire fleets.

Minnow Lightweight, stable kayak with large cockpit. Ideal for fishing and family fun.

Pioneer 13-foot, stable, two-man family fun boat. Excellent for lakes and rivers.



BILLABONG BUSH CENTRE PTY LTD
Barrington Road, (PO Box 177) Gloucester NSW 2422
Phone Matt and Tracey Kilby on (065) 58 2093

Quality Superdown
Sleeping Bags

South Wind Cirrus
900 grams of 550 loft superdown. Mummy shape. Weight 1.6 kg. **ONLY \$228**



South Wind Equinox
600 grams of 550 loft superdown. Versatile zip-open semi-rectangular design. Weight 1.3 kg. **ONLY \$178**

The
WILDERNESS
SHOP Pty Ltd

1 Carrington Road,
Box Hill, Victoria 3128
Phone (03) 898 3742

the heart of the Rodger River Wilderness. About ten metres high, the waterfall enters a deep pool, where platypus swim.

• **On the Box.** The American television network, NBC, recently sent a four-person crew from the USA to document the work of landscape photographer David Tarnall (whose work was featured in *Wild* no 20). The crew spent three days filming Tarnall working in his dark-room and photographing at Mt Donna Buang. The segment was shown to an audience of 25 million people.

• **Woodchipping.** Over 6,000 people attended an anti-woodchipping rally and concert in Melbourne on 23 November. Organized to protest against the continued deforestation of East Gippsland for export woodchips, the rally followed close on the heels of the recommendations of the Land Conservation Council for East Gippsland. The LCC recommended a number of new National Parks for the region, but these do not include large areas on the Register of the National Estate. The LCC also recommended that woodchipping be allowed in East Gippsland. The Wilderness Society urges readers to write to their local Member of Parliament, and to Premier John Cain, asking that all National Estate areas in East Gippsland be protected in National Parks, and that there should be no forest-based woodchipping in the region.

• **Paddling Logs?** An almost-annual event with unlikely origins is the Nymboida Wildwater Forestry Marathon, a 100 kilometre canoe race which was first held in 1982 as 'part of the NSW Forestry Commission centenary celebrations marking 100 years of State forestry in NSW'. The 1987 event will be held at Easter—contact (066) 42 0518 for further information.

• **By the Book.** Joseph Jennings's (see *Wild* no 15) second book, *Karst Geomorphology*, was recently published posthumously. The book, based on the most recent research, is a significant advance in understanding the processes that form caves and their surrounding landforms. Many Australian examples are included.

Stephen Bunton

• **Maps.** The Victorian Department of Property and Services Map Sales shop can now be found on the second floor of the new Information Victoria Centre, 318 Little Bourke Street, Melbourne, Vic 3000. Phone (03) 663 3483.

• **Laying Plans.** Victoria's Department of Conservation, Forests & Lands has established a 'project team', based in Bright, to prepare management plans for the State's alpine areas. These management plans are to be based on the recommendations of the Land Conservation Council for the management of the area which were released in 1983. The project involves some 700,000 hectares of public land. Public participation and comment is sought.

• **A Chance to Sink the Boot In.** Australian Hacky Sack bootbag (see Equipment in *Wild* no 22) distributor, Wallaby G Promotions, and Dunlop Footwear are offering prizes, including Dunlop KT Bushwalkers, Harbour Hackers shirts and, of course, Hacky Sacks, for the best

photos (preferably slides) of Hacky Sackers at it in the bush, underground, or on the rocks. Send entries to: Wallaby G Promotions Pty Ltd, PO Box 177, Pymble, NSW 2073.

• **Guiding Lights?** An Adventure Guides Association of Australia has been formed for people working in, or interested in, adventure guiding or outdoor activity instruction in Australia. The association states that probably its most important aim is to lobby government and other governing bodies of wilderness activities to introduce qualifications. Further information: GPO Box 2436, Canberra City, ACT 2601.

• **More Undiscovered Cave.** The recent discovery of Arthurs Folly has again demonstrated that Tasmania is the State for cave exploration. The cave is over a kilometre long and significant because it is a resurgence under a section of Lune Sugarloaf, formerly thought to be devoid of caves. It is also biologically very active, with large invertebrate populations in the stream passage.

SB

• **Felling Tasmania.** Tasmanian logging, at Farmhouse Creek in the South-west, the Lemontyne Forest near Cradle Mountain, the Douglas River and, particularly, Jackeys Marsh hit the headlines during summer. The Federal Government has declared its opposition to the Tasmanian Government's authorization to begin woodchipping operations in the Jackeys Marsh National Estate area. The conservation movement has swung in behind the Federal Government on this issue to prevent it from backing down. Conservationists consider that if the Federal Government stands firm and stops the logging of Jackeys Marsh, all of Tasmania's National Estate forests will be protected, and the mechanisms used to protect them will probably be able to be applied to forests in other States. The Australian Conservation Foundation urges readers to write to newspapers and ALP politicians supporting the Federal Government's stand.

• **Statistics.** A survey by the Australia Bureau of Statistics has found that, at April 1986, 47% of the civilian population aged 15 years and over were concerned with problems of the environment in Australia. Most were concerned about pollution (30%), conservation of flora and fauna (21%), and deforestation (19%).

It was estimated that, for the 12 months to April 1986, 7% visited World Heritage Areas and a further 35% had visited a National Park in Australia (other than a World Heritage Area).

• **Nettlebed Again!** After the long-awaited breakthrough from the surface of Mt Arthur, at 867 metres Nettlebed is once again the deepest cave in the southern Hemisphere.

This deep cave has been explored uphill from near the Pearce Resurgence for 13 years until it eventually achieved a height (depth) of 700 metres (see *Wild* no 22). Numerous trips to caves near the summit of Mt Arthur failed to find one which 'dropped into Nettlebed'. This has now finally happened with the discovery of Blizzard Pot, as the top entrance is called, taking the short-lived title from Bulmer Cavern. Nettlebed is now a through-trip, from top to bottom; the second deepest through-trip in the

world. First to complete this feat were David Chester, Mike Coburn, Jonathan Ravens, and Trevor Worthy, who made the trip in 25 hours. SB

• **Sweet Caroline.** Maryann Hobbs, a Mt Cook National Park rescue team member, became the first woman to climb the 2,500 metre Caroline Face of New Zealand's Mt Cook when she made the ascent last October with Mike Roberts. The Caroline Face was the last major face on Mt Cook to be climbed, in 1970. It received its first winter ascent in 1981. Colin Monteath

• **Taking the Plunge.** Australian Tony Dignan was lucky to walk away after trying what he describes as 'gravity-assisted acrobatics' when he plunged 250 metres whilst descending from the Footstool in the Mt Cook National Park. Climbing alone, Dignan had completed a difficult new route on the East Face of the Footstool and was descending the dangerous North Ridge in a white-out when a cornice collapsed under his weight.

• **Hut.** An Australian Antarctic Division expedition left Hobart in December to continue the research and conservation work on Mawson's Hut at Commonwealth Bay begun by the private expedition, Project Blizzard. (See *Wild* nos 17 and 21.)

• **World Park?** The possibility of Antarctica being the first, and probably the only, World Park is fading. The ninth meeting of the 32 Antarctic Treaty nations to negotiate an Antarctic Minerals Convention was held in Tokyo last October and November. At this meeting the third draft of procedures and mechanisms by which a nation may sponsor mining operations in Antarctica was discussed and completed. However, three key issues remain to be decided. 1 Who is liable for any accidents that may occur? In particular, if there is a large oil spill, who pays for the clean-up, and should the claimant country receive any compensation? Not all signatories to the treaty consider the claimant countries should accept any compensation. 2 What guidelines should be established for the issuing of exploration licences and for mining? 3 Who should inspect the mining operations, and to what extent should they be checked for adherence to all conditions and regulations as will be specified in the agreement? It is possible that these issues could so divide the signatory countries that, to facilitate an early agreement, they will be pushed to compromise their position in one or two areas to gain the third. Either way, it appears that the environment is going to be the loser and the earth's last great wilderness lost. Philippe Lohmeyer

• **Corrections.** Bulmer Cavern was misspelt on page 27 of *Wild* no 22.

The phone number in the Katadyn advertisement on page 6 of *Wild* no 23 should have been (042) 27 2473.

The first reference on page 33 of *Wild* no 23 to 'grade-three rapids' should read 'grade-two rapids'.

Readers' contributions to this department, including colour slides, are welcome. Typed items of less than 200 words are more likely to be published. Send contributions to the Editor, PO Box 415, Prahran, Victoria 3161.



Caribee tents are made from flame-retardant taffeta nylon. The porous inner-tents have open-mesh panels to encourage ventilation. Ultra-light, eight-millimetre-diameter hollow woven-fibreglass pole segments are shock-corded for convenient assembly. Together with the guy-cords and pegs supplied, Caribee tents are easy to erect, disassemble, and pack into their own stuff sacks. Naturally, workmanship and materials are guaranteed.

Caribee

The most extensive range of packs and tents in Australia. Ask for Caribee tents, packs and accessories at Paddy Pallin, Scouts, Southern Cross, Mountain Designs and all other good bushwalking shops.

Caribee tents



Isodome 7050
Four-pole dome. Twin zip entrances with concealed mesh screens and vestibule. Two ventilating mesh ceiling panels. Reversible fly with reflective metallic coating.
Capacity: three person
Size: 251 x 208 x 122 cm
Weight: 3.7 kg



Caddis 7052
Three-pole tunnel. Twin zip entrances with concealed ventilating-mesh screens and vestibules.
Capacity: three person
Size: 240 x 180/160 x 110 cm
Weight: 3.3 kg



Dome 7054
Three-pole dome. Twin zip entrances with concealed ventilating-mesh screens. Reversible fly with reflective metallic coating.
Capacity: three person
Size: 243 x 213 x 125 cm
Weight: 3.1 kg



Bivy 7053
Two-pole tunnel. Ventilating-mesh ceiling panel.
Capacity: two person
Size: 245 x 112 x 60 cm
Weight: 1.4 kg

Going Light

Lighten your load; with *Syd Boydell*

• IS IT WORTH IT? CAN IT BE DONE? FOR MOST OF us, the answers to these two questions seem to be 'no' and 'no'. Somehow or other the pack fills up with 'essential' item after 'essential' item, and we groan up the hills, grunt down them, and eventually arrive at the campsite completely exhausted. There is a fair chance, too, that if there has been much rock-hopping we will have damaged our knees and back. As for exploring and savouring the delights of the bush along the way and around the campsite, forget it!

A commitment to lightweight walking, on the other hand, puts the emphasis on travel, rather than torture. It enables us to enjoy and explore, to live more simply, to remain undistracted by the clutter of a consumerist camp.

Perhaps for most of us the problem is not whether we want to travel light, but how to do it. Opinions differ on the best way, but it all



Walking on air? (*The Acropolis, Tasmania.*) Andrew Briggs. Right, storming up a Cook? (*You can't go much lighter.*) Gresley Lukin

starts with deciding to make a start. It then means a good deal of thought in planning, purchasing and packing, but it is well worth it.

One place to start is the pack. Get a smaller one, and learn to live with its capacity. Remove all the external toggles, buckles, and 'doover-lackies' not needed for the trip in mind.

A vital step is to put a pair of kitchen scales beside the pack. Everything going into the pack must be weighed. Select the lightest pair of shorts, the lightest plates, the lightest cutlery, the lightest parka, and so on. Of course, one must be sensible— a plastic sheet will not replace a decent tent in the mountains. On the other hand, your ten kilogram snow tent is not needed on an overnight walk near the beach, however impressive it may look!

When buying new gear, always think about the weight. This is important, especially with

major items—tents, packs, sleeping bags, and boots. Considerable weight can be saved without loss of performance. Be careful to match what you buy with what you really need—buying a sleeping bag which is effective to -30°C is silly, heavy, and expensive, if you never go into such conditions.

An obvious way to cut down pack weight is, of course, to discard things you do not need.



This sounds easy, but how many times have we taken, again and again, items we never used? After every trip, it is good to systematically evaluate what was taken and whether it was needed. 'If in doubt, leave it out.' This is not, of course, an argument for the omission of truly essential items. If it could snow, snow gear must be taken. If you might need to abseil, a rope must go in. But there are generally lots of other things that deserve to stay in the cupboard at home.

What weight should be aimed at? It is impossible to say, because the requirements of each trip and each individual vary so widely. It can be surprising how reasonable your pack weight can be if you are careful—for example, a week-long summer walk in South-west Tasmania can be completed, comfortably, with a pack of less than 16 kilograms, and a 16-day trip to the same region with a pack of under 24 kilograms. Of course it is possible to do better—many *Wild* readers have, no doubt, already done so. The tips which follow, however, may prove useful to some readers.

Food

This is a very individual item! None the less, average adults can eat well with 850 grams per person per day, even in strenuous conditions.

Where non-dehydrated food is part of the menu, it should be remembered that foods rich in fats (cheese, bacon, margarine) contain more energy per gram than carbohydrate foods.

Virtually all packaging should be discarded and replaced with plastic bags—it is surprising how much packaging weighs. (Preparing for a recent trip, I discarded about a kilogram of the stuff!) It should not be necessary to say that it

is never necessary to carry food in tins or glass containers.

Group Equipment

Once again, needs vary, but much weight can be saved in this area. It is vital not to duplicate equipment. One stove can service two or three, tents are most efficient (and warmest) when full, a camera can often be shared, and so on. When in doubt, discuss it with your group.

Tents. The weight of tentage per person tends to decrease with the size of a tent. That is, a three-person tent is generally more weight-efficient than a two-person one. There are perfectly adequate two-person tents which weigh less than three kilograms (1,500 grams per person) for all but bad snow conditions, whilst three-person tents can reduce this figure to 1,100 grams per person.

An alternative to a tent is the use of individual bivvy bags. These do save weight (good ones exist with weights of under 600 grams—see the gear survey in *Wild* no 10), but there is some obvious discomfort in extended wet weather.

In some conditions, of course, a tent is not necessary at all. In desert areas a pitched fly will often suffice.

Stoves. These are not always necessary, but increasingly it is becoming socially responsible



METZELER THERMO

The superior self-inflating mattress; your passport to deep sleep, comfort, and joy! Wherever you go. The Metzeler Thermo polyurethane foam core is enveloped inside an air-tight, durable, and easily cleaned and repaired nylon lamination. The deflated Metzeler Thermo can be rolled, folded, and carried inside your pack next to your back for improved carrying comfort. It miraculously self-inflates when the valve is depressed to allow the compressed foam to expand to its full 3.5 centimetre loft. For a firmer mat, greater insulation, and to compensate for contraction during cold nights and while on snow, additional air can be blown into your Metzeler Thermo. The Metzeler Thermo has been an indispensable and intimate companion on expeditions to the world's most inhospitable regions. Ask for Metzeler Thermo.

Trade enquiries:
Outdoor Survival Pty Ltd,
8 Duke Crescent, Dandenong,
Victoria 3175. Ph (03) 533-
793 4288. Telex AA 31597.

Outdoors.

REI gets you there with quality gear, clothing and service.

Getting you set with the right gear and clothing for your outdoor adventures, from ski touring to climbing the Himalayas, is what REI does best. Our members and customers have known that for nearly 50 years. Recreational Equipment Inc.—REI—is now the largest consumer cooperative in the United States.

Membership not required to shop at REI, but one of the benefits is a yearly patronage dividend based on your regular-price purchases through mail order or in our U.S. stores.

► You can be sure that REI gear is dependable because our full-time quality control team tests the items we carry for rigorous use. Our money-back guarantee ensures satisfaction.

► At REI, you can expect fast, efficient mail order service. We strive to have your order on its way within 24 hours of receipt.



Quality Outdoor Gear
and Clothing Since 1938

Please send me an REI catalog filled with outdoor gear and clothing, which also includes more information on becoming an REI member.

Name _____

Address _____

Post Code _____

Country _____

Mail \$3 in U.S. funds to: REI, CODE 183, P.O. Box C-88127,
Seattle, WA USA 98188-0127.



At EMC you can be sure of one thing:

You come first!



Eastern Mountain Centre

401 Riversdale Road
Camberwell Junction 3123
(300 metres City side)
Phone (03) 882 7229
Mail Order: Free delivery within Australia

Wild Ideas

to carry one and 'save the trees'. They vary in complexity, cost, fuel efficiency, and weight (see the gear survey in this issue).

A perfectly adequate stove for two people, including two saucepans, can weigh less than 700 grams (350 grams per person). Fuel weight is additional, of course, and on a very long trip, a heavier stove using kerosene or Shellite may, in fact, prove lighter than a lighter, less efficient stove using hexamine or methylated spirit. The important thing is to calculate it, and take the lightest combination.

The number of cooking utensils required is a matter of debate. It is possible to cook quite comfortably with two saucepans. A frying pan is not necessary, and very light lids can be improvised from aluminium pie bases.

First aid kits. Even on long trips, a massive one is not necessary—all it adds to the trip safety is a heavier pack. Individual needs, the number of people, the length of the trip, and the nature of the trip will all indicate its weight, but a carefully planned one will weigh less than an unplanned one.

Cameras. These are often treated as an individual responsibility, but they can be used successfully as group equipment, thus reducing the weight per person. Some very good light cameras are available (see the gear survey in *Wild* no 11), weighing as little as 200 grams. Some people, of course, prefer a single-lens reflex camera (weighing about 600 grams), whilst others will prefer to 'expose the trip on the emulsion of their memories', and leave the camera at home.

Personal Equipment

The difficulty with guidelines in this area is that tastes here are indeed personal.

Footwear. For rugged country, there are some superb, light, and strong boots on the market. They tend to be pricey, but when you consider the amount of lifting and lowering of feet each day on a walk, any saving is welcome. Whether the old adage 'a pound on the foot is worth four in the pack' is true or not, any saving clearly increases the feeling of mobility and freedom. Aim for a pair under 1,400 grams (see the gear surveys in *Wild* nos 8 and 22).

Boots, of course, are not always necessary. Most walks in non-alpine Australia are fine in sandals or runners, which also have the advantages of causing fewer blisters, and being much lighter. It is seldom necessary to carry spare footwear if the main pair is in good condition and well broken-in. Light thongs are a surprisingly good compromise between none and some.

Clothes. Woollen shirts and jumpers can be replaced by fibre-pile, polypropylene, or chlorofibre garments. Woollen trousers can also be replaced by these, although overpants may need to be carried for wind and scrub. Any cotton shirts and shorts should be light—the heavy army-type are not necessary. One change of socks is ample. A whole change of clothes is generally not necessary. Light gloves (for example, Damart) can be used with spare socks over them for cold 'snaps'.

Eating gear. A plastic bowl combines the functions of a cup and plate. Plastic spoons are fine. Only the knife blade need be metal. Forks are generally unnecessary.

Sleeping bag. A down bag is, of course, lighter (and more expensive!). It should be matched as well as possible to the conditions—it is seldom necessary to carry a

bag weighing more than 1,700 grams in Australia. The gear survey in *Wild* nos 14 and 19 should be consulted if you are buying.

Inner sheet. This is not strictly necessary, but a light silk or polyester inner sheet prolongs the life of the sleeping bag and adds a little extra warmth.

Sleeping clothes. None need to be carried.

Personal kits. Carry a small piece of soap (or liquid soap in a tube), a small torch, but no toothpaste. Towels are generally an unnece-

How Do You Rate?

Imagine you are packing for a seven-day walk in remote Tasmania. Drag out the kitchen scales and compare the weight of each item with the target weights. Count one point for every 100 grams in excess of the targets and rate yourself on the scale below.

	Target (grams)	Score (points)
Rucksack	1,700	
Sleeping mat	500	
Sleeping bag and inner	1,600	
Parks	650	
Overpants	250	
Shorts	100	
Shirt, singlet	150	
Pullovers, warm jackets	1,000	
Trousers (wool)	500	
Balaclava and mittens	250	
Underwear	100	
Socks	450	
Personal bits and pieces	300	
Loaded torch	200	
Bowl, mug, and cutlery	150	
Loaded camera	300	
Share of tent	1,400	
Share of first aid and repair kit	250	
Share of stove	350	
Fuel	100 grams per day	
Water bottle (empty)	100	
Food	850 grams per day	
Boots	1,400	
Gaiters	200	
Total		

0-10 points: Truly weight-conscious
11-50 points: Not trying hard enough
over 50 points: Masochist

sary luxury, but if you must take one, keep it small—a face-washer is often all that is needed.

Water. Plastic water bottles (such as used for fruit-drink containers) are lighter than aluminium ones, and a wine-cask bladder is a good replacement for a traditional bag.

Rucksack. The weight (for a reasonable volume) can be under 1,700 grams—less with attachments removed. (The gear survey in *Wild* no 15 could be helpful if you are buying one.)

Final Tips

The real key is, of course, careful planning. If the packing is done in a rush, the result will almost always be too heavy. The key steps are:

- 1 Plan well ahead—list your needs.
- 2 Assemble all the requirements.
- 3 Repackage where necessary.
- 4 Weigh everything going into the pack.
- 5 Keep a note of things never used.
- 6 Do better next time.
- 7 Be on the look-out for lighter alternatives.
- 8 Do not forget the purpose of the exercise—enjoying your journey! ■

Wild Bushwalking

Tiger!

Klaus Huebke
catches up with
fast-moving
bushwalker,
Peter Wieseder



At EMC you can be sure of one thing:

You
come
first!



Eastern Mountain Centre

401 Riversdale Road
Camberwell Junction 3123
(300 metres City side)
Phone (03) 882 7229
Mail Order: Free delivery within Australia

Wild Ideas

to carry one and 'save the trees'. They vary in complexity, cost, fuel efficiency, and weight (see the gear survey in this issue).

A perfectly adequate stove for two people, including two saucepans, can weigh less than 700 grams (350 grams per person). Fuel weight is additional, of course, and on a very long trip, a heavier stove using kerosene or Shellite may, in fact, prove lighter than a lighter, less efficient stove using hexamine or methylated spirit. The important thing is to calculate it, and take the lightest combination.

The number of cooking utensils required is a matter of debate. It is possible to cook quite comfortably with two saucepans. A frying pan is not necessary, and very light lids can be improvised from aluminium pie bases.

First aid kits. Even on long trips, a massive one is not necessary—all it adds to the trip safety is a heavier pack. Individual needs, the number of people, the length of the trip, and the nature of the trip will all indicate its weight, but a carefully planned one will weigh less than an unplanned one.

Cameras. These are often treated as an individual responsibility, but they can be used successfully as group equipment, thus reducing the weight per person. Some very good light cameras are available (see the gear survey in *Wild* no. 11), weighing as little as 200 grams. Some people, of course, prefer a single-lens reflex camera (weighing about 600 grams), whilst others will prefer to 'expose the trip on the emulsion of their memories', and leave the camera at home.

Personal Equipment

The difficulty with guidelines in this area is that tastes here are indeed personal.

Footwear. For rugged country, there are some superb, light, and strong boots on the market. They tend to be pricey, but when you consider the amount of lifting and lowering of feet each day on a walk, any saving is welcome. Whether the old adage 'a pound on the foot is worth four in the pack' is true or not, any saving clearly increases the feeling of mobility and freedom. Aim for a pair under 1,400 grams (see the gear surveys in *Wild* nos 8 and 22).

Boots, of course, are not always necessary. Most walks in non-alpine Australia are fine in sandals or runners, which also have the advantages of causing fewer blisters, and being much lighter. It is seldom necessary to carry spare footwear if the main pair is in good condition and well broken-in. Light thongs are a surprisingly good compromise between none and some.

Clothes. Woollen shirts and jumpers can be replaced by fibrepile, polypropylene, or chlorofibre garments. Woollen trousers can also be replaced by these, although overpants may need to be carried for wind and scrub. Any cotton shirts and shorts should be light—the heavy army-type are not necessary. One change of socks is ample. A whole change of clothes is generally not necessary. Light gloves (for example, Damart) can be used with spare socks over them for cold 'snaps'.

Eating gear. A plastic bowl combines the functions of a cup and plate. Plastic spoons are fine. Only the knife blade need be metal. Forks are generally unnecessary.

Sleeping bag. A down bag is, of course, lighter (and more expensive). It should be matched as well as possible to the conditions—it is seldom necessary to carry a

bag weighing more than 1,700 grams in Australia. The gear survey in *Wild* nos 14 and 19 should be consulted if you are buying.

Inner sheet. This is not strictly necessary, but a light silk or polyester inner sheet prolongs the life of the sleeping bag and adds a little extra warmth.

Sleeping clothes. None need to be carried.

Personal kits. Carry a small piece of soap (or liquid soap in a tube), a small torch, but no toothpaste. Towels are generally an unneces-

How Do You Rate?

Imagine you are packing for a seven-day walk in remote Tasmania. Drag out the kitchen scales and compare the weight of each item with the target weights. Count one point for every 100 grams in excess of the targets and rate yourself on the scale below.

	Target (grams)	Score (points)
Rucksack	1,700	
Sleeping mat	500	
Sleeping bag and inner	1,800	
Parks	650	
Overpants	250	
Shorts	100	
Shirt, singlet	150	
Pullovers, warm jackets	1,000	
Trousers (wool)	500	
Balaclava and mittens	250	
Underwear	100	
Socks	450	
Personal bits and pieces	300	
Loaded torch	200	
Bowl, mug, and cutlery	150	
Loaded camera	300	
Share of tent	1,400	
Share of first aid and repair kit	250	
Share of stove	350	
Fuel	100 grams per day	
Water bottle (empty)	100	
Food	850 grams per day	
Boots	1,400	
Gaiters	200	
Total		

0-10 points: Truly weight-conscious
11-50 points: Not trying hard enough
over 50 points: Masochist

sary luxury, but if you must take one, keep it small—a face-washer is often all that is needed.

Water. Plastic water bottles (such as used for fruit-drink containers) are lighter than aluminium ones, and a wine-cask bladder is a good replacement for a traditional bag.

Rucksack. The weight (for a reasonable volume) can be under 1,700 grams—less with attachments removed. (The gear survey in *Wild* no. 15 could be helpful if you are buying one.)

Final Tips

The real key is, of course, careful planning. If the packing is done in a rush, the result will almost always be too heavy. The key steps are:

- 1 Plan well ahead—list your needs.
- 2 Assemble all the requirements.
- 3 Repackage where necessary.
- 4 Weigh everything going into the pack.
- 5 Keep a note of things never used.
- 6 Do better next time.
- 7 Be on the look-out for lighter alternatives.
- 8 Do not forget the purpose of the exercise—enjoying your journey! ■

Wild Bushwalking

Tiger!

Klaus Huebner
catches up with
fast-moving
bushwalker,
Peter Heseler





• PETER TRESEDER IS A BUSHWALKER with a difference—he has a penchant for running against the clock, against the elements, and against fatigue through some of the most rugged wilderness areas of Australia. One of his recent exploits was an ambitious marathon through the full length of the Blue Mountains. He started at Widden Cutting on the Goulburn River in the northernmost part of Wollomi National Park and finished on the Wombeyan Caves Road near Mittagong. The distance—a mere 330 kilometres, the time—just on 86 hours.

His route was via Mt Corridugy, Colo River, Wollangambe River, Mt Irvine, Grose River, Megalong, Coxs River, Mt Cloudmaker, Kanangra Walls, Yerranderie, and Wollondilly River. It involved total ascents of 9,150 metres and descents of 5,450 metres. Memorable incidents included being drenched to the skin for the first day and night, climbing a spectacular pass out of the Wollangambe Gorge, having a meal cooked by friends who met him in the Megalong valley, snatching a few hours of fitful sleep on three occasions, and nearly pulling out from exhaustion near Kanangra Walls. In the end he was glad he kept going.

This run was a tribute to Myles Dunphy who, years earlier, proposed the Greater Blue Mountains National Park. 'I remember I was in Paddy Pallin's shop one night and I saw an old gentleman there. He was just standing in a corner fiddling with something. I knew who he was but it seemed really odd that everybody who was in the shop or likely to come there, and who owed so much to this frail little guy, did not know who he was. It irked me.'

Left and page 31. Peter Treseder finding his way through dissected Hawkesbury sandstone—his favourite terrain. Above, Treseder preparing for another marathon. All photos Hueneke

The idea of running through the Australian bush started in the 1930s with a group of very fast Sydney-based bushwalkers. They were Max Gentle, Gordon Smith, Hilma Galliott, Alex Colley, Jack Debert, Bill McCosker, David Stead, Dot English (later Butler), and Len Scotland; they were known as 'tiger walkers'. The term 'tiger walking' was recently resurrected by the Three Peaks Outdoor Society of which Peter is a leading light.

A now-legendary tiger walk is the Three Peaks trip from Katoomba and back via Coxs River, Mt Cloudmaker, Mt Paralyzer, Mt Guougang and Narrow Neck. Early times over this rugged and largely untraced course with three elevation differences of 800 metres were in the vicinity of 18 hours. Names that pop out of the record books include Ray Jerrems, Warwick Daniels, John Fantini, Meg McKone (the first woman to do it in two days), and brothers Dave and Chris Cosgrove. Then came Peter Treseder with 16 hours 30 minutes in July 1982, and 15 hours 11 minutes in August 1985.

The dissected sandstone country of the Blue Mountains and the Sydney area is Treseder's 'back yard', and after many bushwalks, searches and rescues all over it, he knows it well. This has facilitated numerous other records, including Katoomba to Mittagong in 15 hours 26 minutes, Jenolan Caves to Katoomba in 6 hours 48 minutes, the Blue Gum Yo Yo, including up and down six major look-outs, in 8 hours 6 minutes, Oxford to Bundeena in 2 hours 5 minutes, and Berowra to Pennant Hills, by the Benowee Track, in 1 hour 57 minutes. In January 1986 he slipped, scrambled, and splashed through six Kanangra canyons in 37 hours 30 minutes (see *Wild* no 20).

The imprints of Peter's distinctive long stride have also been spied in the Cradle

● AFTER A LEISURELY BREAKFAST, A LONE WALKER set out in drizzling rain on the track across the Gloucester Tops in northern New South Wales. Wearing only running shorts and a light Gore-Tex jacket, he carried a dry pack with spare clothes, a few snacks, a headlamp, and an initial supply of 22 mugs. Just over ten days later Peter Treseder arrived at Walhalla, and the end of Victoria's Alpine Track. He had traversed eight National Parks and covered just over 1,400 kilometres through dripping rainforests, sandstone escarpments, snow drifts, and river gorges.

The 'ultimate tiger walk' was the culmination of 12 months of meticulous planning and training. From the outset, Peter was committed to travelling as much as possible through wild country. 'But I had a lot of trouble keeping from man-made things— even the so-called wilderness marks are criss-crossed with fire roads. The experience of the walk really brought home to me the fact that we haven't got that much free scrub or wilderness left out here.'

His early pace was blistering. Peter averaged nine to ten kilometres an hour across the Barrington Tops, down the Mt Royal Range, and into Wollemi National Park. 'I had been warned about the atrocious scrub down there, and sure enough, it was very thick. It was also raining heavily. To protect himself as he hurtles through dense undergrowth, Peter usually wears a jacket, overpants and gaiters. For those eye-level branches, he has the advantage of wearing glasses.

Travelling at such a pace has its rewards. 'People say that you don't see as much when you're running. In fact, you see more in the way of animal life. You'll come screaming round a corner or over a rock, and the animals are still sitting there—by possums, echidnas, kangaroos. And all encounters are positive. On the first day, I was clambering over a log and I stopped over. I was bitten by the odd leech, a snake, I didn't see it till it bit me. At the time it was very serious but I was about 70% sure the snake was non-venomous.'

With my pants around my ankles and an elastic band going, in the pouring rain, and in thick scrub, but then I thought "that's ridiculous", just picked up and kept going.

Peter had planned to climb himself to reach his first look-out, at Kangaroo Point, after running 10 hours. His without-a-break, non-stop run in the Kippa-Edon (the 'pace dropped to two kilometres an hour) and his judgement began to falter. Discouraged, he slipped and injured a leg. Crossing the Colo River, which is normally knee-deep, but due to heavy rain was waist-deep, he was washed 200 metres downstream. 'I was so tired I didn't seem to worry me that much. It's a strange hormone being— as though everything inside you has been stripped out. I was mentally very tired. All I had in my mind was to get to the bus stop at Barrington Tops, and get a bus home.'

Peter's diet on the run consisted of nuts, fruit, and a assorted chocolate and muesli bars. Soon after meeting Keith Maxwell, Robert Palfin and me at Kangaroo's Coal Seam Cave, Peter eagerly prepared his first meal in two days. Out of the food we had carried in, Peter fried up two portobello mushrooms, and several rashers of bacon. This pan of 'tiger fuel' was washed down by a tire of Coke! Peter was relieved that Peter's schedule allowed him a full night to sleep off this banquet.

We had also brought a fresh library of maps. At dawn next morning Peter set off back down the

ridge, bound for the Budawangs and beyond. His route took him down the Womindjup River, through

Talbingo, and across the Shoalhaven River into the Extreme Wilderness. Heavy rain was again falling.

He could have crossed the divide of the Extreme route, but chose to follow the bushwalking

route. By the time he reached Dungon Canyon it was pitch black, and the river was high. I found I had to jump into quite large pools. The main problem was keeping my headtorch dry. In the final stages of the Budawangs, the scrub was extremely thick. 'A tangled wet mess— I was almost easier to get on your hands and knees and crawl through the stuff.'

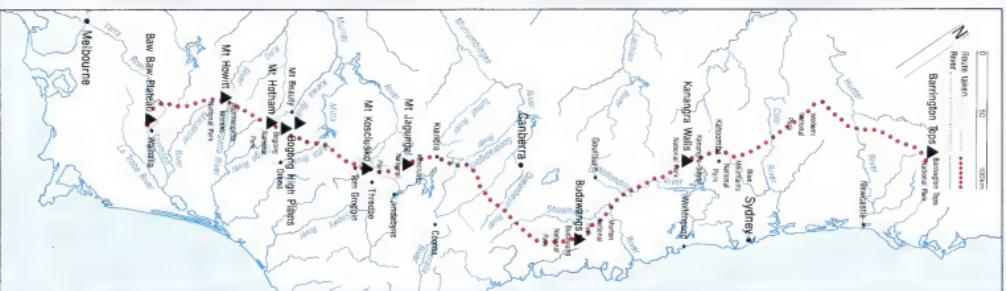
For Peter the challenge of tiger walking involves pushing the limits of his bushwalking skills as much as running hard against the clock. The sheer scope of this walk was a hurdle in itself. 'What surprised me was just how much country I was covering. You could climb to the top of a peak like the Castle in the Budawangs, and as far as you could see, the next day after crossing the Brindabella and climbing some of their major peaks, he dropped down into Kurnia. It was a turning point for the trip. I almost dropped out. I was being mind-boggling to think of the distances involved.'

Leaving the Budawangs, Peter headed across ranges to Michelago and his second night's宿泊 at Sawyers Flat. After his time in the high country through to Mt Gosping that night, he had made the same journey on new shores only a few weeks earlier. Crossing into the Bungonia National Park, he was soon on the trail of a shock navigation. 'Because I was a marked track, I let my dawn down a bit. The signs are sometimes a kilometre or two apart and there are fire roads all over the place. So I would be turning along the track with lan tracks at a 45° and suddenly given an intersection with a lan track reference point. On the Bogong High Plains Peter could follow snow poles but was only sheet rain and a bone-chilling wind, with only occasional views of Mt Feathertop through the heavy cloud. That would be one section I would like to go back to. Miserable conditions prevailed to the end, dampening Peter's appreciation of the Crookar Saw, Mt Howitt, and the Baw Baw Plateau.

On this final leg, with more regular sleep, mental fatigue was out of a problem but Peter was physically worn out. 'My knees were giving up on me and I had a lot of trouble going downhill. Everything was very tender and sore. Arriving at the end of the Alpine Track, he stumbled upon a school excursion. 'I don't think anyone seemed to know where the Barrington Tops are. ●

Quentin Chester (see Contributors in *Wild* no.3) is an active bushwalker, climber and bushranger. On returning from Bushwalking Australia, he became a Bushranger for the NSW Parks and Wildlife Service, and is an outdoor education instructor.

Barrington Tops to Walhalla



Mountain-Lake St Clair National Park and in the Snowy Mountains. In December 1981 he ran from Waldeheim Chalet to Cynthia Bay via the summits of Cradle Mountain, Barn Bluff, and Mt Ossa in 11 hours 5 minutes. The first jog from Perisher to Kiandra came in February 1984 with a record time of 7 hours 52 minutes.

The run over this classic route was first undertaken by a small number of people in the 1960s. By the 1980s it had become a relatively popular thing to do. It started with Kore Grunnlund, Otto Pinkas, and Ross Martin, all better known as champion cross country skiers, and continued with people like Jim Bosworth, Ray Jerrem, and Peter McTackett. Jim Box completed the run in 8 hours 15 minutes. During Peter Treseder's first run he also broke the long-standing ski record of Robbie Kilpinen. Robbie took 8 hours 11 minutes in the 'big snow' year of 1964. The route has inspired many more attempts to ski it than to run it, but it was not until September 1985 that David Hislop poled and skated across in a seemingly unbeatable 6 hours 18 minutes. The distance is about 70 kilometres, making his average speed about 11 kilometres an hour over untracked and unmarked snow.

Skiing over long distances is considerably faster than running, and it appeared that Hislop's time would stand for a long time. Treseder, however, had other ideas, and could hardly wait for the snow to melt. In November 1985 he ran the route in 6 hours 10 minutes. A time of under 6 hours was within his grasp. What makes this hare run?

Quiet and unassuming, Treseder is of medium, rangy build, with a background in Scouting that goes back to the age of seven when he started as a Cub. His nickname in the Fifth Pennant Hills Venturer Unit is 'Goanna'. He works as a loans officer at the Ryde branch of the Commonwealth Bank, and often runs home to Wahoonga via areas of bushland in the Lane Cove River valley.

Treseder's approach to tiger walking is very much an individual philosophy. 'I tend to look at it as a guy climbing a mountain by himself—it's a personal challenge. The last thing I'd like to see are races organized like athletics meetings with lots of people lined up, a starters gun, and large-scale back-up. No, a tiger walker has to be able to navigate and look after himself.'

'I've always got a pack on, a small pack with a waist strap. I've got a duvet, long underwear, and a complete set of oilskins—so if the worst comes to the worst I can just go and sit under a tree all night. I've usually got a bivvy bag too, it keeps my clothes dry in the pack. For food I might have a couple of oranges which I dispose of pretty quickly, some bars of chocolate, and some jelly beans. I used to take little glucose tablets but found they weren't too good.'

I asked Treseder about the route he followed on the Perisher-to-Kiandra run.

'There's only one way you can come out to Kiandra and that's down the Tabletop Fire Track. From Perisher you head for Munyang and the Schlink Pass Road. It's the middle area, from Schlink across to Tabletop, that's the question. Gungarten is one of the rough, slow sections because of the scrub. Then you head down the right side of Valentine River but not quite on the top of the Brassy Mountains. You make for the fire road that comes past Cesjacks. Then we discovered, by careful looking at

The journey will start at Mt McKenzie on the Barrington Tops and, after a succession of parks including Wollomi, Blue Mountains, Budawang, Kosciusko, Bogong and Wonnangatta-Moroka, ends at the historic town of Walhalla. Where feasible he will follow traditional bushwalking routes rather than fire roads. In Victoria he will be on the well-marked Alpine Track. The total distance is over 1,400 kilometres with a cumulative rise of 51,890 metres (23 Kosciuskos stacked on



the map, a small link road that led off the fire road just past Cesjacks and went across to the Grey Mare Road. It's on the eastern side of Spencers Peak.'

One of the secrets of his success at tiger walking, the hardest marathon of all, is to keep going without stopping. 'My idea of a rest is to keep walking—I don't actually sit down and stop—that way I'm still covering ground at the same time. A lot of guys stop for 20 minutes and have a bite of lunch. But you lose 20 minutes. I may not be as fast on my feet, but I make up time by not having those breaks.'

The worst thing that can happen is getting sick. It's psychologically very draining to be out in the middle of nowhere and feeling like you're going to croak any minute. If you sprain an ankle you can deal with that, you can hobble along. Being sick is the worst.'

What about kudos and recognition? 'I must admit it is nice, but I'd much rather sit back in a cafe, for instance, and overhear people talk about my feats without letting them know that I'm the person who's done them.'

When this article was in preparation, Treseder was planning to attempt the ultimate tiger walk, a fast and continuous traverse of the major National Parks of New South Wales and Victoria.

top of each other) and a fall of 50,910 metres.

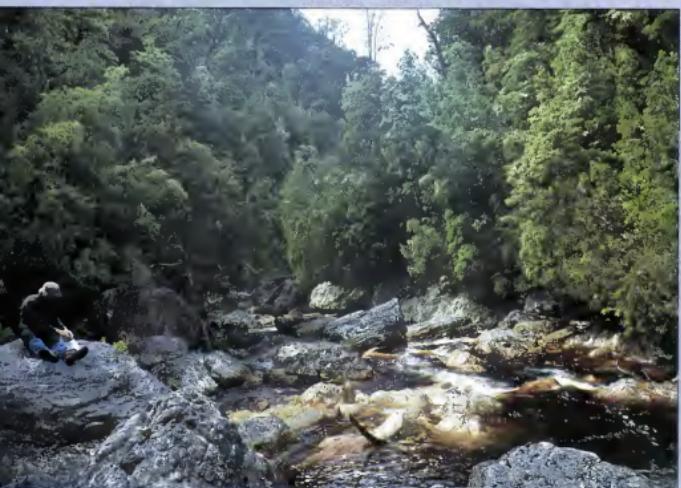
Like all his other efforts, it will be a solo trip with little fuss and minimum back-up. There will be three pre-established food and map dumps, including one at Sawyers Hut near Kiandra. Here he will pick up a warm sleeping bag for the freezing high tops. The route goes across 63 topographic maps, all of which have to be carried for at least part of the trip. Treseder's aim is to cover 120 kilometres between daybreak and sunset every day and to bivvy out at night. Whenever he is close to civilization—a rare event—he will telephone a contact person in Sydney. This will segment the route in case a search is needed.

After this effort there seems to be nothing else to do, or does there? Knowing Treseder and his intense drive for personal challenge and excellence, I doubt if he will sit still for very long. Will we see a 700 kilometre trip in South Australia's arid Flinders Ranges, or an epic from the McPherson Ranges to Wilsons Promontory? They are not impossible. •

Klaus Huenke (see Contributors in Wild np 5) has been walking and ski touring Australia's high country for almost 30 years. A noted wilderness photographer and historian, he is author of the forthcoming book, Kiandra to Kosciusko, in which some of the journeys mentioned in this article are more fully described.

Chris Sharples visits one of Australia's wildest places and comes back with renewed conviction of the value of wilderness

The Lost River



• THIS IS A FACTUAL ACCOUNT OF A RIVER trip in South-west Tasmania, undertaken by the author and Grant Dixon in January 1985; the river may be recognizable to those with a detailed knowledge of Tasmania's wilderness (it is not the Franklin!).

Although wilderness exists independently of human ideas of it, 'the wilderness experience' is an intrinsically human affair, involving both a physically wild place and a wild state of mind. To describe in print a truly wild and little-known place is to compromise that wild state of mind, by making the physical wilderness more familiar, safer, and less mysterious. Unrealistic and idiosyncratic as such an ideal may seem, it is nevertheless apparent that mystery is an integral part of many sorts of wilderness experience—mystery is the tantalizer, the instigator of great adventures. So why not preserve it where it can be preserved?

The river in this account is one of few truly remote and little-known places remaining in Australia today. No route guides to it exist, and only a handful of people have journeyed down it.

If I seem to be contradicting myself by writing of this trip at all, it is because the finer moments of the human spirit are experiences which the mundane uniformity of mainstream modern culture threatens constantly to submerge. It seems important to me to state clearly and loudly that finer things are available to those who will seek them.

I therefore write this account on the self-imposed proviso that I do not name the place in question, in order (I hope) not to compromise the mystery and wonder which is its very essence.

When we finally reached the river, I was afraid—and fear showed me, with rare clarity, the value of life. Not only the intrinsic value of adventures such as this, but the potential of my whole being. Aware of death, I could not escape the profound importance of living this brief life to the full, of feeling the boundless beauty, inspiration, and exhilaration life offers if we will only allow it. It is a deep tragedy that most of us so rarely can see keenly the extraordinary value of being alive; experiences which show us this are priceless.

The river is the stuff of legend. In the damp forest beside the narrow hidden river we waited through the first long night at the head of the gorge, Itching to begin our descent of the river—and afraid of what we might find there.

I do not know when I first learned of that place, but once I became aware of it it

Left, a rest-stop on boulders below the final gorge. Right, Chris Sharples dwarfed by the majesty of the final gorge. Grant Dixon



became a part of my aspirations. I had dreamed and schemed for years, until a final momentous effort had taken me there. There was no thought of turning back; these were the great days.

We had climbed a scrubby, rarely-visited ridge, stumbling under 40 kilogram packs, then descended again through a tangled hell of intertwined pandani and ti-tree to finally drop steeply and perilously to the river, whose tortuous rocky waters greeted us at the bottom of a narrow defile.

The strange familiarity of the reality which greeted us after all those years was a sensation difficult to describe. For me, the river had always held an aura of ultimate mystery and unattainability. And yet, here we were, with sunlight streaming through green trees on to normal water and solid rocks. There was no otherworldliness in the place. The exotic could still be felt, however, in another sense. The place was remote, primeval. Being there was the mystery, the core of our yearning for experience. I had fantasized how it would be to finally reach the ocean after a journey down such a river. At last I was doing it.

To our knowledge, only three parties had been through the gorge of the river before, and their cryptic stories only heightened the aura of uncertainty and difficulty surrounding the place. Few people had any desire or notion of going there.

The mysterious, remote, and little-visited hold an irresistible fascination for me. I had dreamed of precipitous crags and wet misty forests that had never known humans. Above all, carved deep in my imagination, there flowed an archetypal river in a timeless journey from a shrouded misty hinterland, through terrifying gorges and cataracts, then winding through a vast sea of lowland forest before emerging at last on a lonely coast, lost between sand and seagull. There occasional travellers might cross its mouth, trailing their fragile thoughts and purposes unknowingly across the shadow of the tremendous secret that was the dark and silent river.

For four days we struggled down the eight kilometres of gorge, two ephemeral beings delicately balancing our existence against the awesome indifference of the river. Every step of the way was a trial, a contest with rock and water. There was always the fear of a final impassable obstacle, but there is a determination which comes of having no means of turning back, and we always succeeded in continuing our journey.

In the upstream part of its gorge the river flows through a tight slot roofed over with fallen boulders. We could not see whether this tunnel was passable, but to carry on we had to leap over a small cascade into a pool below. We did so, and were relieved to find that we could proceed; we might not have been able to climb back up the cascade had the tunnel been blocked.

A treacherous slime coated the awkward rocks. We would wade through pools clutching our inflatables (a Li-Lo and a small rubber raft) before us until we had to clamber wetly over the boulders, delicately balancing and creeping from rock to rock with our 40 kilogram packs on our backs, all the time trying to avoid slipping on the frictionless slime. Only rarely were the pools big enough to float across on our inflatables, but when they were, the vertical rock walls enclosing the river generally made flotation the only method of progress.

In the event of flood the vertical walls of the gorge would make escape impossible in most places; a hapless person caught here in high water could spend days cramped on a tiny wet ledge somewhere above the torrent.

Several times we tentatively negotiated drops up which we could hardly have returned without climbing gear. Each irreversible move strengthened our downstream momentum.

One drizzling morning we stumbled upon a small clearing in the wet forest at a point where the river banks flattened out beside a still, dark pool. The faint impression of an old campfire told us that this was a campsite used by one of the parties which had preceded us down the *Sharpies* contemplates the tranquility of his surroundings, in the second gorge Dixon. Right, dreamlike, precipitous crags soared to misty heights. Sharpies

gorge. It was the only sign of previous human passage we saw in this remote and forbidding place.

Further downstream the entire river flowed for some distance beneath a bed of gigantic boulders, over the top of which we clambered. It was eerie to walk along the floor of the gorge with no sight or sound of water.

Finally, on our fourth day in the gorge, we reached the portals through which the river flows out on to the flat lowlands. A final high ridge is cut by a deep and dramatic chasm. After wondering about this place for so many years it was almost a shock to touch the reality of being there. With a kind of reverence we entered the chasm.

The day was a madness of continually alternating periods of pelting rain and brilliant sunshine. As we entered the chasm itself, the sun emerged, shining brilliantly from the rain-drenched rocks, and creating a glistening El Dorado. We basked on rocks, soaking up a few minutes of warmth before the rain closed in again.

The actual chasm was a relatively straightforward passage, but below it the river continued to drop steeply for a kilometre or so before reaching the lowlands. The remainder of the day was a delirious hell of rain and sunshine, cascades and giant slippery boulders. Several hundred metres below the main



chasm we came unexpectedly upon a last short narrow chasm. A deep pool of still black water rests in the perpetual shadow of its overhanging walls, which nearly create a subterranean passage. This place too could only be entered by leaping over a small cascade into the dark pool. After awkward splashings and floundering we managed to clamber on to our inflatables, whereupon our agonizing progress down the river was replaced by a brief interlude of floating in dim, cool stillness, a dripping peace beneath smooth overhanging walls of quartzite.

The exit from this chasm was as awkward, again, as the entrance, and our slow, slippery progress continued down the boulder-strewn river.

In the late afternoon the river flattened out in a way we knew signified the final exit from the gorge country to the flat lowlands. The sun emerged for a few minutes from the rain, and we sat, steaming and basking, on rocks in a wide shallow pool.

Over the remaining few days we floated down the broad reaches of the lowland river. Only at one stage did we have to leave the river because of log-jams and walk for three hours through the forest, which at that point was open and spacious beneath a cool leafy canopy.

In stark contrast to the gorge, our progress down the lower river was easy and assured. We drifted more than



propelled ourselves, content to float along in a state of contemplation. The two parts of the journey had a certain fullness to them: the difficulty and uncertainty of the gorge, followed by the perfect ease and flow of the lower river, winding its way down that wide valley through an unbroken carpet of forest.

We emerged from the mouth of the river, floating tranquilly backwards into the shallow coastal lagoon as we gazed back to the disappearing hills through which the gorge cut. We had come from there!

At times the wilderness becomes infinite, an oceanic mystery. Perceptions of particular places and experiences are swallowed up by a stillness and a vast distance which fills the senses. In warm afternoon backlight, rainforests take on a silvery glow, the folded blue hills stretch endlessly towards hazy horizons.

To be there, out of touch with the world of humanity and the affairs of civilization, is to enter a different state of mind. Out there, the problems, worries, schemes, and ideologies of human society lose meaning and begin to show a certain absurdity. It may only be a temporary

detachment, but it is real and has an infinitely subversive potential.

Thick foliage

Placid beneath warm suns,

Tawny fore-shores

Washed in the cobalt of oblivions!

At the mouth of the lagoon, where river finally meets ocean, we came at last to the coastal track, a path followed by many who know little of the trackless hinterland they glimpse as they walk along the well-travelled path they never dream of leaving.

As we rested on the broad sands beside the swelling ocean we were joined by two summertime walkers. Their blank incomprehension of where we had come from was replaced by disbelief and incredulity when we pointed our route out on a map.

To most people the interior fastnesses of wilderness have no comprehensible form; to travel there is unthinkable. Our experience is something ultimately incomprehensible. But it is better so: wilderness is finally lost in spirit, if not physically, when it becomes familiar and safe. •



'The Age Demanded by Ezra Pound

Wild Ski Touring



• SUMMER SKIING HAS ONE MAIN disadvantage. I am not talking about the unfunny jibes out-of-season skis attract from airport wits. Nor about how many seconds of hell-skiing an Australian dollar will buy for you in the Bugaboos. That is not summer skiing anyway, it is northern winter skiing.

The main disadvantage of summer skiing is that there is less snow. (If you are going to be a smart Alec go on to the next article.) Less snow does not just mean less snow, or even more rocks, which I can handle. Less snow means open crevasses. Rocks might take the edges off my skis; disappearing down a crevasse would take the edge off my skiing. I do not think I am the type to philosophically savour the thrill of those final plummeting seconds.

Summer crevasses are not an Australian problem. There is no snow, nor any crevasses in Australia in summer. But New Zealand has summer snow, open

The upper Tasman Glacier. Right, Mt Cook at sunset.
All photos Brookes



Summer Skiing

Let's go! With *Andrew Brookes*

crevasses and excellent possibilities for summer cross country downhill skiing. Between them, rocks and crevasses rule out long summer ski tours in New Zealand, but they do not rule out cross country downhill. There are untracked slopes of perfect spring snow which you can carve up until 9 pm. The summer drifts and upper neves could be an



The buoyancy of our skis enabled safe unroped travel on the upper Tasman Glacier. Right, on the Mt Annette Plateau.

unrecognized 'Arapiles' for 'XCD freaks'. Except 'it never rains at Arapiles', which brings me to another disadvantage of summer skiing. There can be an awful lot of sitting around waiting for the rain to stop in between the days of brilliant skiing.

Crevasses and the notorious New Zealand weather are two factors to be considered in planning a summer cross country downhill trip. I had had a couple of trips to alpine New Zealand before going there to ski. The usual walks, Geoff Wayatt mountaineering course, pass-crossing trips, and tentative attempts at some easy peaks: just enough experience to know how inexperienced I was. We woke one morning to the chug of a helicopter ferrying two corpses down the mountain. Two confident and cheerful climbers we chatted to that same day also died, on Mt Aspiring a week later. The lesson was clear. Mountaineering in New Zealand is a serious game, played for keeps.

I had often thought of returning with skis. When the chance came to join Mal Cowell doing just that, I took it. Mal had the necessary experience to see that Nick and I did not drop into one of the hazards already mentioned.

After two weeks of loitering around Mt Cook Village in poor weather, we temporarily shelved a plan to fly to Tasman Saddle, and walked up to Mueller Hut. From there we were able to pick our way on skis from drift to drift, and 'skin' up to



the Annette Plateau. Our intention was to dig some palatial caves on the edge of the glacier. Some token attempts at excavation of the very hard snow soon convinced us to construct realistic ones. We renovated some rather small, half-collapsed caves already there, and joined them together. An unusual feature of the resulting cave was a split-level floor plan which had Mal sleeping in a cold trap at the cave's lowest point.

The spell of fine weather was just long enough for us to discover the enjoyment of skiing until 9 pm on perfect spring snow. The peaks of the Mt Cook region provided a good backdrop, and the slopes were not crowded. Summer cross country downhill definitely is not a sport with a big following.

The return of miserable weather highlighted the second-class nature of our accommodation. Draughts creeping through crevices in the 'brickwork' soon enlarged them into gaping holes. Nick muttered unreasonably that if I had told him of our snow-caving plans before leaving Australia he would have brought a bivvy bag. None of us fancied another night in the disappearing cave, so we left.

Retreating in the storm was somewhat of an epic, but a short one. We skied by habit, wind-driven rain and ice preventing a proper view of exactly where we were going. Heavy packs did not help, but

luckily the snow was mostly predictable... mostly. Nick managed to catch an edge and go for a slide. Picturing myself in effortless control slaloming gallantly to his dropped stock, I managed a similar slide. I am sure my fancy self-arrest grips were starting to work, when rocks checked me and made them irrelevant. Fate, or perhaps an icy patch, had Malcolm soon following suit, tangling with Nick and breaking the tail of a ski. Not that any of us were attempting any party tricks. This was a time for controlled side-slipping and careful slow christies. Gusts of wind made us stop to lean, braced, on our stocks. Blasts of tiny ice particles rewarded our attempts to face where we were going. Taking off skis to cross boulder fields was an irritation, and each occasion increased the risk of dropping a ski or stock, never to be seen again. We removed our skis and plugged steps up the final snow slope to the hut, dropping in for a hot drink before returning to the village.

This time a shorter wait resulted in some flying weather. Five of us and an extravagant quantity of gear were landed at Tasman Saddle. My pack was as heavy as I could lift, let alone carry. We spied a likely snow-cave site about a kilometre away, slightly downhill. It had to be downhill. After manoeuvring the load on



inside of my mouth became sunburnt. In poor weather we read, and ate our way conscientiously through the mountain of food we had with us. On some days rain, or wet snow driven across the slopes, made venturing outside unpleasant. Apart from the obvious reason for such trips, we had to emerge periodically to shovel snow from the entrance tunnels so that we would not be buried.

On a couple of occasions we visited the hut. At the top of the basin above our caves, where the slope changed from concave to convex, a line of crevasses had to be crossed. The idea was to select a route round them on snow bridges. When crossing the more doubtful areas, I knew I should ski at right angles to the lines of slots and "think light". I tried, but tended to "think nervous".

Skiing turned out to be an ideal activity for someone of my modest mountaineering experience. We could find skiing challenges on moderate, fairly safe terrain which held no real interest for climbers. On days when the climbers were sitting in huts waiting for the weather to clear, or going for a climb in poor conditions out of sheer frustration, we were able to safely ski the slopes outside our snow caves.

While they set off at 4 am to catch the freeze, we slept in and drank cups of tea until the snow was nicely softened. While they trudged knee-deep and roped across the snow basins, we could glide almost effortlessly past, the flotation of our skis making ropes sometimes unnecessary.

Our final ski was an 11 kilometre run down the glacier. Some old tracks showed the route taken by an unroped party on skimountaineering gear a couple of weeks earlier. We found that some crevasses had become alarmingly open since then, and for some sections we roped together. Down the safer stretches we linked Telemark after Telemark until aching thigh muscles forced us to pause.

I have read of some research which indicates that if current snowfall trends continue, Australia will not have any ski season by the year 2000 or so. If that is the case, I know where I will be spending my holidays. New Zealand summer skiing may not compare with New Zealand winter ski touring, but to an Australian ski tourer used to skiing any patch of snow available, it is brilliant. ●

Andrew Brookes (see Contributors in *Wild* no 13) is an experienced ski touring and bushwalking instructor as well as an avid wilderness photographer

New Zealand's Southern Alps



to my back I aimed my skis at the site and stood on them until I arrived there.

In normal circumstances I would find it hard to justify feeling superior to those climbers who manage feats beyond my skills and courage in these mountains. But later on, as we sat drinking tea at our cave entrance, we watched climbers tediously plodding thigh-deep with similarly heavy loads to Tasman Saddle Hut, and I experienced a twinge of smugness. Skis can be very much faster for glacier travel, even in summer.

Nick and I dug a cave which elevated functional perfection to art. The ergonomic sleeping and cooking areas, the smoothly curved internal surfaces, the way candlelight highlighted the soundly engineered entrance and ventilation shaft... I could go on. Mal, Sonya, and Liz constructed an adequate shelter alongside. A small communication tunnel between the two caves drained cold air from Nick's and my cave nicely, but Mal seemed oblivious to the importance of social intercourse and kept blocking it up.

We stayed in the area for ten days. When the weather was good, the summer daylight seemed to last for ever. I had always associated skiing with short winter days. The time in the sun took its toll on our skin. Nick and I maintained permanently zinc-creamed faces, but the

Wild Canoeing

Kimberley Kayaking

Terry Bolland
continues his
epic solo
navigation
of the
Kimberley
coastline



● TEN MONTHS AFTER MY 100-DAY SOLO Kimberley kayak expedition, from Broome to Mitchell Plateau (see *Wild* no 12), I was ready to complete the second stage of the journey. This was to be about two-thirds of the distance, and involved travelling in the opposite direction, from Wyndham to Mitchell Plateau, to make use of the easterly winds.

Because of the crocodiles, and the shark attacks experienced on my previous trip, I decided to take a different kayak, fitted with outriggers and a sail. The outriggers would give me extra stability, and the sail would help to increase the



speed of this much heavier kayak. Unable to lift it, I decided to take a set of wheels which would help when I had to drag the kayak as much as 600 metres up a beach. (Tides in the Kimberley region are the second-highest in the world, varying by more than ten metres, and currents can exceed ten knots.)

Before leaving Wyndham I planned a seven-day canoe-sailing trip round Lake Argyle, and a paddle down the Ord River to Kununurra. The lake has a volume of water nine times that of Sydney Harbour, and the scenery is breathtakingly beautiful: high cliffs, mountain ranges, and sparkling blue waters. Although the panorama was magnificent, the crystal waters glistened, and the majestic red peaks probed cloudless blue skies, I could hardly wait to start my coastal trip. But first I had a two-day paddle down the Ord River to Kununurra.

The river meandered through gorges and plains. Bird life, animals, and Johnson crocodiles were abundant. A slight current aided my passage through narrow channels with reeds and paper-bark trees dominating the banks. Baby crocs slept on small branches, dingoes paced the plains, and as the river widened the current eased, the sun beat down, and the tranquil surroundings stood still. The Carlton Ranges formed a giant amphitheatre with deep shadows in their folds. As I paddled through the gorge, the spectacular cliffs were reflected in the clear still water. The security of the lake and river were now behind me. Time spent on the lake helped

High seas between the Berkeley River and King George River. **Above**, sorting gear in the Admiralty Gulf, near the Osborne Islands. All photos Bolland

me to acclimatize and make sure I and my equipment were ready for the expedition ahead.

At Wyndham the locals did their best to discourage me with stories about man-eating crocodiles, and one of them suggested that it would be good for the tourist business if I was eaten, but I had received the same encouraging comments the previous year and had survived 100 days at sea. As I loaded my kayak to leave, a croc watched my movements



The Osborne Islands. Right, a dry waterfall on the Berkeley River. (Note the wheel on the kayak—used at campsites to move the heavily-laden vessel out of reach of the tides.)

from the muddy waters of the Wyndham. With sail hoisted, I passed the famous Wyndham meatworks where dozens of crocs congregated around the meatworks spillway. Immediately ahead were 20 kilometres of mangroves, which thickly lined both sides of the massive Cambridge Gulf, and made landing impossible.

It took three days to paddle-sail out of the Cambridge Gulf. Landing for the night was hampered by mangroves and the rocky shoreline. It was on the rocks that I chose to land and make camp, but it was a continual strain watching and waiting for crocs to leap out from the muddy waters. At last I left the Cambridge Gulf and paddle-sailed into bluer waters. I had looked forward to the sandy beaches ahead, but this soon changed when a five metre crocodile patrolled the beach in front of my camp. Experience on the previous expedition reminded me that they appear at the least-expected places.

The next morning the croc was nowhere to be seen, so aided by strong easterly winds, I paddle-sailed along the coast, to my first destination, the Berkeley River. Leaving some of my stores at the mouth, I paddled ten kilometres upstream, passing cliffs and mangroves. That night I camped on a coffin-sized ledge of a dry waterfall. Salt-water crocs and hundreds of flying foxes kept me company throughout the night. After stocking up with fresh water from Casuarina Creek, I headed further upstream with the tide. Massive vertical cliffs lined the river, and crocs mingled with the mangroves. The tide turned, so I left this picturesque place and headed once more out to the coast.

With strong winds behind me, I made



excellent time heading towards King George River. The wind became stronger as I approached a reef, covering the sea with breaking waves. There was no place to land so I was forced two kilometres from the coast. Soon monstrous waves surrounded me. In the troughs of these monsters I was several metres down. I gripped the sail-rope and rudder. The rudder was not working properly but I was not able to check it. The waves pushed me around like a cork, and as I surfed down huge waves I reached incredible speeds. A wave crashed down on my deck, caving in my spray-cover, and for a few moments water poured in. Time and again I plunged into huge troughs, seeing only an enormous wall of water flying in front of me. I could hardly believe that the kayak was taking so much punishment, but the outriggers gave it great stability. It was one of the most frightening times of my life, but after about 40 terrifying minutes the water became calmer.

Entering the haven of Prince George Harbour I was surprised to see that a navy patrol boat and a yacht were anchored there. The crew of the patrol boat asked me on board to join them for a meal of steak and eggs! The patrol boat was about to go on exercises, but that day was a rest day, so most of the men were on shore fishing and having a barbecue. The skipper of the yacht turned out to be an old friend whom I had not seen for eight years!

Next morning, I headed upriver with the early tide to see the spectacular gorge and waterfall, returning to pass a few

hours on the yacht.

From King George River my next important landmark was Cape Londonderry, where 25 kilometres of reef follow the coast and extend 12 kilometres out to sea. After experiencing very rough conditions along the coast and around the previous smaller reef, I feared that this long section of reef would be horrendous. To my surprise, it was very calm leaving Cape Londonderry, and I was unable to use the sail. After seven hours of paddling I was relieved to have cleared the dangerous reefs. At Cape Talbot a crocodile, a dingo, flocks of white pigeons, and a north-westerly breeze (which signalled the change in the weather pattern) greeted me.

Chased by sharks, I took three days to reach Kalumburu Mission, which was at the south end of Napier Broome Bay and about 15 kilometres up the King Edward River. Here I arranged to collect my food parcels from the local schoolteacher.

After four days I headed north towards Sir Graham Moore Island, round the peninsula into Vansittart Bay (with the abandoned Truscott Air Base, which was used during the war). To reach the air base I had to walk several kilometres inland through the bush. Parts of the airstrip were in good condition, but much of it was overgrown by wattle trees. A crashed B24 Liberator aircraft, a communication tower and other derelict equipment lay near the runway. Hundreds of steel mats littered the airstrip, and 44-gallon drums were scattered about.

With replenished water supplies I left



and the fiery heat soon evaporated what lay in pools or small creeks. The weather conditions were becoming unbearable; it was very hot and humid. To add to the tropical heat, the dew made things very uncomfortable. As soon as the sun dropped, everything became damp. No matter what I did, my clothes were never dry; when I went walking they were soaked in sweat, at night they were covered in dew.

I left Hat Point knowing that I could not waste too many days before finding water and, as I paddled through the silent glassy sea again, sharks started following me. I headed towards two unnamed rivers. There were no beaches nearby, so when the tide allowed I landed on a rock ledge, one kilometre from the nearer river. The kilometre walk to the river was very difficult. I had to contend with chest-deep spinifex, wattle thickets, ravines, large boulders, and mangroves. The agonizing walk took an hour, and the return trip, carrying water in the blistering heat, was even more painful. As I had not washed in fresh water for two weeks, it was a welcome relief to reach the river.

For three days I explored the river and surrounding bush. Birds, lizards, fish, oysters, and other shell-fish and animals were abundant. In such a vast, rugged, inhospitable wilderness, places like these would be very important if I became stranded. The crocodiles were so cheeky that they slept only a few metres below my rock ledge.

Refreshed, I continued on the last leg of my journey to Mitchell Plateau. Within

Truscott Air Base and crossed Vansittart Bay to the rugged coastline, which has several bays and points, heading for Cape Bougainville. I was very lonely paddling towards the cape, but a shark woke me from my trance with splashes and attacks on my rudder.

At Cape Bougainville I explored a gully that I was told might contain water. Because of the extreme heat I needed to replenish my water supplies as often as possible. The creek below the gully was a picture of death. The dry bed, encrusted with salt, lacked even the smallest living creatures, and the unhealthy-looking mangroves only gave refuge to debris brought up on a high tide. Unsuccessful, I returned to Cape Bougainville. Dead coral, washed up by the tide and bleached by the sun, formed a thick layer along the beach. To the north, several reefs extended for several kilometres out to sea, and as I climbed the steep cape the tide below rushed out at tremendous speed. Looking out into the haze I felt I was on the edge of the world. No matter which direction I looked there was not a soul for hundreds of kilometres. I was alone on the edge, and it could just as easily have been the edge of the moon. It was a fantastic feeling to be on my own in this great wilderness, a wilderness that only a few people have seen.

At Hat Point, south of Cape Bougainville, my water supplies were low, so I started producing my own water from four of my salt-water stills. Water is a sparse commodity at this time of year. The rains had passed several months earlier

a few kilometres I sighted my first sea snake, and saw more sharks, turtles, and dolphins. As I paddled closer to the plateau, the terrain became familiar, as it was less than a year since I had last paddled these waters.

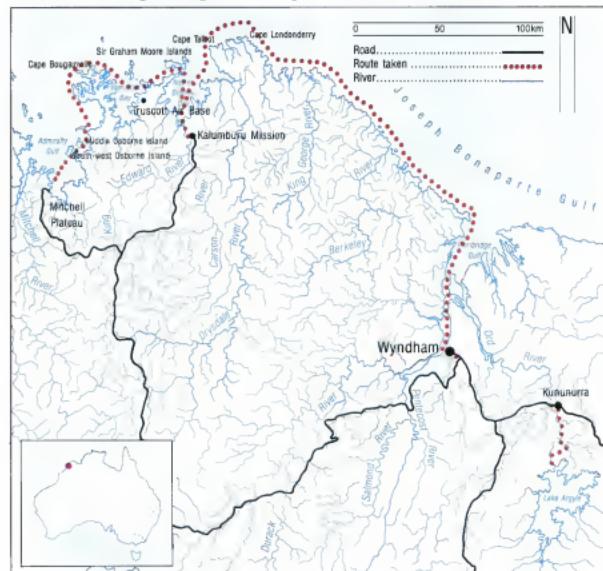
On arrival I met ten people in three four-wheel-drive vehicles. The canoeing part of my trip was over, but I had to get my kayak back to Derby—a spare roof-rack and \$100 soon solved that problem, and the kayak was spared the burial that its predecessor received the previous year.

My plan now was to explore the Mitchell Plateau area by foot. After several days' walking, I arrived at the tidal section of the Mitchell River, and followed it upstream to a four-tiered waterfall. The following day, to my surprise, a couple with two dogs walked into my camp. Leaving my new friends, I set off, cross country, to another beautiful gorge which had abundant animals, fish, and green ants that dropped from bushes and inflicted terrible bites. My last major landmark was the Mitchell Falls, another several kilometres overland. A magnificent stream of water tumbling over a hundred metres, the falls are one of the most spectacular I have seen in Australia.

Fifty-four days after starting my expedition, I again met up with the new friends I had made on the Mitchell River who kindly offered me a lift back to Derby. •

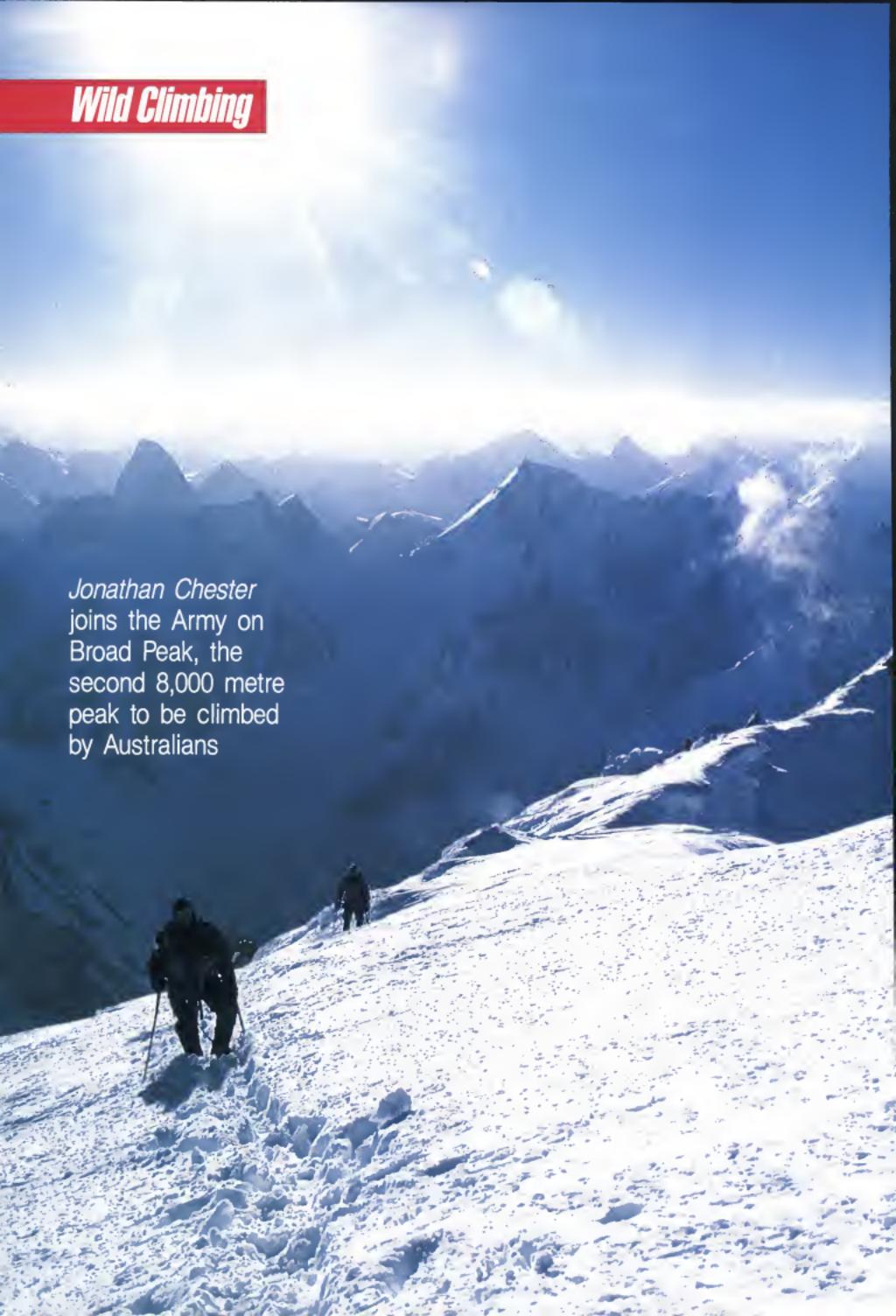
Terry Bolland (see Contributors in *Wild* no 12) has lived in Western Australia since 1972, when he came from the UK. One of Australia's best-known endurance paddlers, in 1979 he set a world record by paddling 221 kilometres in 24 hours.

Kimberley Kayak Expedition Part 2



Wild Climbing

Jonathan Chester
joins the Army on
Broad Peak, the
second 8,000 metre
peak to be climbed
by Australians





BROADSIDE

• AFTER A MORNING FIXING ROPES TO Camp One, Mike Rheinberger and I began to descend to Base Camp. On the way down I noticed what appeared to be a pile of abandoned climbing gear. On closer inspection we discovered the equipment was still attached to its long-dead owner. A mummified, claw-like hand poked out from a jacket. We did our best to cover the corpse with an orange tent fly found nearby. But every time I passed this site on the way to and from Camp One the



James Van Geider, left, Mike Rheinberger and Pat Cullinan on the summit. Right, Broad Peak (8,047 metres): the summit is on the right and is reached from the col on its left. Far right, Cullinan, left, Chester and Rheinberger at Camp Two. Pages 44-5, K2, the world's second-highest mountain, looms over the summit ridge. All photos Chester

brightly coloured shroud was a chilling reminder of the penalties that can be dealt out by a mountain like Broad Peak.

Base Camp was perched on the medial moraine of the Godwin-Austen Glacier, in the shadow of our objective. Only after three hours of daylight would the sun finally haul itself over the ridge and its warming rays would reach our tents. There was no avoiding the sheer scale and presence of this 8,047 metre peak or its imposing neighbours.

We had reached Base Camp by a treacherous 100 kilometre march beside the Braldu River. One slip into this raging torrent would have been as fatal as any climbing fall. Once on the glacier we spent days stumbling with our 25 kilogram loads over the tortuous rubble of the moraine. However the spectacle of the Karakoram was ample reward for the long hours of foot slogging. This sanctuary of high summits and craggy spires is a mountainscape of devastating power.

Broad Peak is arguably the least formidable of the world's 8,000 metre peaks. I had joined the 14-strong team from the Australian Army Alpine Association. This group has accumulated considerable mountain experience, including climbs on Mt McKinley, Gaurishankar, Chulu, and Nilgiri. Before meeting the team I was apprehensive about how I would cope with army-style mountaineering. Indeed, what was 'army style'? Judging from the paper warfare and pre-departure briefings at Sydney's Number One Commando Headquarters it was to be a rigorously organized expedition, with



climbing 'done by the book'. Even though every member of the expedition contributed \$4,000, each army member received a salary throughout the entire trip—something most climbers, like Mike Rheinberger and me, can only dream about. Mike and I were the only civilians in the party.

By climbing Broad Peak we hoped to gain valuable experience of working together at high altitudes. In 1988 the Army Alpine Association and the Australian Alpine Association plan to join forces to climb the South Col route on Mt Everest. Broad Peak's original route has been climbed many times, but it is still fraught with objective dangers. It was a challenge, and an essential stepping stone for our Everest aspirations.

It had taken us nine days to reach our Base Camp near the remote border between Pakistan and China, yet we were far from alone. Three other expeditions, attempting the same route on Broad Peak, shared our rocky home. An hour's walk up the glacier another five teams were installed at the K2 Base Camp, the world's second-highest mountain.

This sprawling international community led to a hectic social life of afternoon teas and evening sessions. To supplement our provisions, Norm Crookston, the enterprising Base Camp manager, also led a

series of scavenging raids to recently vacated campsites. We even reached the point of bailing up departing groups to relieve them of any surplus basics such as rice or sugar. As a result of these sorties we enjoyed a sumptuous diet, including German sausage, Yugoslav jam, Austrian pumpernickel, Korean dried seaweed, English cheeses, and Italian mayonnaise.

Our neighbours included several of the world's leading climbers—none more legendary than Kurt Diemberger. Together with fellow Austrians Hermann Buhl, Marcus Schmuck, and Fritz Wintersteller, he made the first ascent of Broad Peak, in 1957, using neither supplementary oxygen nor high-altitude porters. Twenty-seven years later the ever-exuberant Diemberger again climbed and filmed his way to the top of Broad Peak, with British mountaineer Julie Tullis. Now they had returned once more to the Karakoram to climb on K2.

It was clear from the outset that our progress was bound up with the movements of the other expeditions. We arrived in the midst of the busiest climbing and trekking season on record. At Dasso we had found it almost impossible to hire porters for our walk in. A South Korean expedition had earlier walked in with 450 porters. We required 160 porters, but most



Our team included four majors, five captains, one sergeant, and two corporals. Initially I was unsure how this 'top heavy' group would operate, but on the climb the formal structure was rarely a problem—indeed it probably helped our large party to move smoothly.

Establishing ourselves on the mountain involved careful route-finding through a series of badly crevassed slopes. We also had to contend with the others sharing the route, and at times the traffic on the fixed ropes was quite hair-raising. On one occasion as I climbed to Camp Two I glanced down to see our second team

alive somewhere on the mountain, but that the others in the party had perished. Mike and Tony set off to K2 Base Camp to help in the search. They returned that night, having helped carry the badly frostbitten Diemberger on a makeshift stretcher back to Base Camp. As they recounted the grim circumstances that led to the deaths of the six others, including Britons Julie Tullis and Alan Rouse, a pall seemed to come over our camp.

Already it had been one of the most ill-fated seasons in the Karakoram. The death toll on K2 alone was 13 people. For several days after this latest tragedy I



of the manpower was either already ferrying loads or working in the fields.

Once on the mountain our passage was inextricably linked to the German, Yugoslav, and Austrian teams which shared the route. Ours was to be an ascent in the traditional style, using fixed ropes to establish and stock camps up the mountain in preparation for a summit attempt. To help reduce overcrowding on the climb we divided into two teams. Within these teams we climbed and camped in pairs.

Before dinner each evening the expedition leader, Pat Cullinan, conducted a briefing for the next day. Pat has had many years of experience both as a commando and climber. Tall and wiry, he seems to possess inner strength to cope with heavy loads, as well as the burdens of leadership. Grouped in the tent, listening to Pat giving instructions from his little green army note book, it was not hard to imagine being part of an elaborate military exercise.

Team One comprised Zac Zacharias, Terry McCullagh, Jim Van Gelder, Jim Truscott, Brian Agnew, and Peter Lambert. It was a very fit and talented group. Mike Rheinberger and I were part of the second team which included our doctor, Tony Delaney, Pat Cullinan, Mick Pezet, and Derek Murphy. Rick Moor and Norm Crookston ran a very efficient Base Camp.

descending the steepest section of the route. A German party was also using the same rope, and inadvertently sending down showers of rock. It was like a shooting range, with stones and the occasional fist-sized rock hurtling down. As the two teams separated, the worst seemed to be over, but suddenly there was a sharp crack, and an explosion of rocks rattled down from near the half-way anchor on the fixed rope. After a few frantic seconds of clattering and yelling the danger had passed. By some miracle no one was hurt, although Pat had been right in the firing line.

Although eager to 'push' the route higher, many of us were still adapting to the altitude and the rigors of load carrying. Bad weather gave our bodies valuable time to catch up, during which time a tragedy was unfolding nearby, on K2. A large group of climbers, from five different teams, had set off up the Abruzzi Ridge. For ten days, during which storms raged on the mountain, there was no news of their progress. Then we received word from a passing porter that one of the missing party, Austrian Willi Bauer, had staggered in to the K2 Base Camp with the news that Kurt Diemberger was still

found it increasingly difficult to find the commitment I needed if I was to have any hope of success on Broad Peak.

In spite of diabolical weather, and the problems of acclimatization and illness experienced by some members of the expedition, we still maintained a strong presence on the mountain. Undoubtedly the group size and the careful planning played a major part in our progress. By mid-August we were poised for the summit. An advance party with Jim, Brian, Terry, Zac, and Jim had moved to Camp Four at 7,500 metres. At 5 am on 16 August, Pat, Mike and I set off from Camp Three to join the others. With some tracks to follow the going was not too difficult, but the intense cold began to take its toll. Within minutes the metal head of my ice axe had drained the warmth from my hands. Every ten steps I stopped and tried to coax some blood into my numb fingers. It was a four-hour grind to Camp Four, first up a broad snowfield, then across beneath a towering serac. Arriving at the huddle of tents, we were welcomed by Jim and Terry. They had set off for the col at 5 am but found the -24 °C cold too much, and returned to camp. Our arrival coincided with that of the first rays of sun. We quickly



Concordia (4,600 metres), the confluence of the Baltoro Glacier, left, and Godwin-Austen Glacier, right, seen from the approach to Camp Three.

attended to our nearly frozen hands and feet. After pulling on fresh socks and 'downing a brew', we stashed our bivvy gear, and set off. The entire team reached the col by mid-afternoon. A chilling wind blew in over the sea of mountains to the north. Pushing up the knife-edge summit ridge, we crossed back and forth a dozen times between China and Pakistan.

The next hour's climbing, to the false summit, was extremely nerve-racking. We had to negotiate several dangerously corniced sections, and dubious rock *gendarmes*, with only the protection of an occasional length of rotten fixed rope. The ridge fell away for over 1,000 metres on each side. No one roped up—it was everyone for himself. Jim later revealed that at one point he broke through the cornice and, although clipped to a tatty rope, had he not grabbed a solid handhold he would have ended up in China.

From the false summit it was still a kilometre to the top. Fortunately this section was relatively straightforward. After a slow plod we reached the summit at 5.30 pm. The approaching dusk left us little time to linger for the view. After a hurried photo-session we began the long descent.

Each of us chose his own pace for the journey down. At the col I waited for an hour for the others to catch up. At 10 pm Jim and Mike eventually arrived, but there

was no sign of Pat. Not having any bivouac gear we were forced to continue our descent. The next morning we scanned the summit ridge from Camp Four, wondering whether Pat had survived. We were constantly 'brewing up' to replace all the fluids lost during our gruelling summit day. Suddenly someone yelled, 'I think I can see two people descending to the col!' All eyes worked their way down the horizon. We could just make out two figures moving extremely slowly.

Later we learnt of Pat's epic at 8,000 metres. On the descent from the summit, Karl Fabnacht, the last member of a lightweight, four-person German party, was so affected by exhaustion and altitude that he was unable to find his way. Pat took Karl 'in tow'; but his condition grew worse, and they were forced to spend the night out. Fortunately Pat was equipped with a full down suit and bivvy bag. Next morning Pat began belaying Karl down the mountain. Later, as his condition deteriorated further, Pat dragged Karl in the bivvy bag. By this stage, Ziggy, Karl's partner, had come to Pat's assistance, and together they struggled for hours to evacuate the now almost comatose climber. Eventually they managed to bring him to Base Camp and he was evacuated by helicopter. Without Pat's help he would have certainly died.

With everyone safely off the mountain, we were free to enjoy the glow of our success. We had tested our skills above 8,000 metres, and come out on top. But

our experience in the Karakoram will always be shadowed by the mixed fortunes of those who shared the sanctuary with us. We had lived with the vitality of their ambitions, the shuddering close calls, and the dark numbness of tragedy. But even though it was 2,000 kilometres away to the south-east, and still two years off for us, Mt Everest now seemed very close. ●

Broad Peak



Jonathan Chester (see *Contributors* in *Wild* no 9) is one of Australia's most successful and widely-travelled mountaineers. A photo-journalist, he is an Antarctic authority—his book on the exploration of that continent, *Going to Extremes*, was reviewed in *Wild* no 23.

PERFORMANCE

Karrimor Rucksacs are used by many of the world's leading outdoor activists. Their exploits cover the entire spectrum of geographical challenges and climate extremes. Over the years we have developed a 'think tank' to tap the combined experience of these high performance personalities and incorporate their ideas in our products.

PHYSIOLOGY

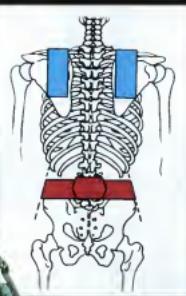
This knowledge, together with our increasing understanding of human Physiology, including the bone structure and overlying muscles, has kept us well ahead in the design of hip-loading rucksacs. Significant assistance was received from Dr. Steve Baker, the Sports Physiologist at Normal College, Bangor (Wales).

Jaguar



TECHNOLOGY

Dr Baker also provided knowledge of the lumbar region and its importance in the design of the Karrimor back system.



The hip-belt on the last generation of Jaguar models was flexible and, in turn, allowed the wearer's back to flex. Now, with our new understanding of the spine and its needs, the new S.A. System has been designed so that, when fitted correctly, it will provide the necessary support physiologists refer to as 'good posture'. This works in much the same way as a weight lifter uses a belt to support his spine.

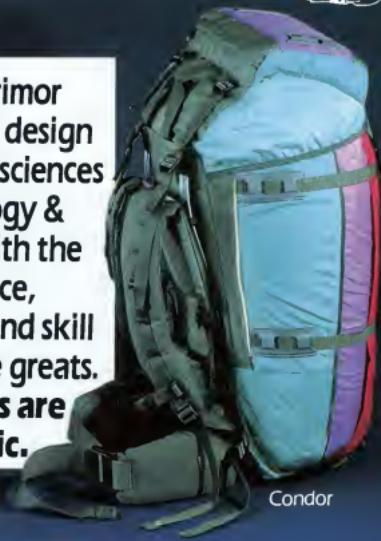
THE SYSTEM

The Karrimor S.A. (i) Back System is fitted to the Condor Jaguar S and Jaguar E models. The Self-Adjust System provides the correct fit for most back lengths and is the only back length system that is easily adjustable whilst on the wearer's back.

The Karrimor S.A.(m) Back System is fitted to the new Panther [left]. This is a modified version of the S.A.(i)



**Karrimor
Rucksac design
combines the sciences
of Physiology &
Anatomy with the
experience,
knowledge and skill
of the all-time greats.
The results are
dramatic.**



KARRIMOR

**Karrimor also distribute a colourful range
of Daysacs and other rucksacs, plus Cycle
Panniers, Trangia Outdoor Cooking Stoves
and Asolo boots.**

To Karrimor Pty Ltd, PO Box 198, Botany, NSW 2019
Please rush me the latest Karrimor Rucksac Catalogue.
My main interests are:

Bushwalking/camping
 Cycle Touring

Climbing
 Other (Specify) _____

Name _____

Address _____

Postcode _____



*Sunrise on the Walls of Jerusalem. Right, streamlet near Liffey.
All photos were taken in Tasmania's Central Highlands.*

Dennis Harding





Pandani forest on Mt Rufus. **Right**, morning light on the Little Horn.



Track Notes



Walking the Threatened Forest

David Poland explores a paradise 'west of Eden'

• THIS YEAR MAY WELL BE THE LAST CHANCE to see the magnificent and little-known wilderness of Coolangubra. Situated near Eden on the south coast of New South Wales, 48,000 hectares of forest lie largely undisturbed, as it has for eons. Few bushwalkers have heard of this spectacular area, that is until recently.

The region encompasses a rich variety of terrain, from rugged granite mountains with far-reaching views to deep and narrow gorges which rarely see the sun. Waterfalls are frequent and spectacular.

Just as diverse are the forests, ranging from rainforest in the steep gullies, to open, easy-walking forest on the ridges. Tall, moist shining



Left, in Myamba Gorge. **Above**, the view from Mataganah over the Coolangubra wilderness to White Rock Mountain. **Right**, Myamba Creek. All photos Poland

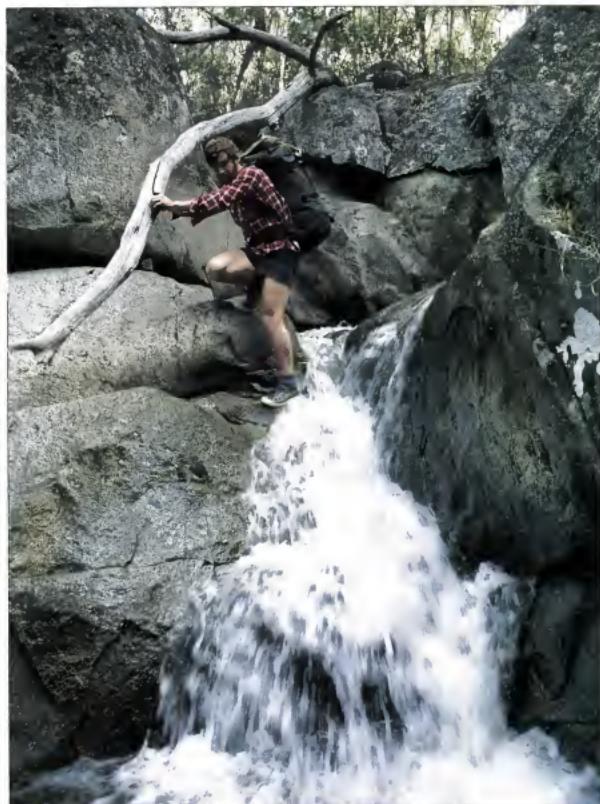
gum support some of the best arboreal mammal habitats in Australia.

Only a small fraction of this wilderness is protected as National Park. The remainder will be clear-felled for woodchips if current plans receive government approval.

Walking in the area is generally easy, through open forest. Occasional scrub patches on south-facing slopes can be avoided. (The White Rock area is rugged.) Creeks are fairly easy to follow. Campsites are common. Planning your own route is fairly easy, but this article gives some suggestions. There is only one walking track in the area.

Maps. Eden Forestry Map 1:125,000 (essential for roads). Coolumboka, Nalbaugh, Wyndham, and Burrage sheets in the Central Mapping Authority of NSW 1:25,000 series.

Access. Located 35 kilometres due west of Eden, the area can be reached by car in about six hours from Sydney, or two-and-a-half from Canberra. Access routes: 1 from Bombara via Burrimbucco Road, 2 from Cathcart via Coolangubra Forest Way, 3 from Bega via Candelo, Wyndham, and Big Jack Mountain Road, 4 from Eden via Imlay Forest Way, or 5 from Victoria via the Cann Valley Highway.



Day Walks

There are two good possibilities for base camps from which to explore. The first is near Waratah Creek, at grid reference 126016. This is an ideal base, with camping within 200 metres of the car, from which to explore the west. From Cathcart, drive south along Coolangubra Forest Way. Turn left 1.6 kilometres past the Wog Way Junction, into Waratah Road. Six hundred metres along this is a small, rough track on the left, which leads to a pleasant clearing. The second campsite is a good base from which to explore the north-east and is 50 metres east of Reedy Creek on Big Jack

Mountain Road.

Waratah Creek. From the first base camp easy day walks can be made up and down Waratah Creek. The area abounds in arboreal mammals, and is a very photogenic moist forest. Logging is already taking place nearby.

Myamba Falls. Leave the car on Wog Way at the saddle at 150022 about two kilometres east of an unmarked and unmapped road junction at 134023, where you should have taken the right-hand fork. An easy spur leads down to Myamba Creek at 158040. Follow the creek to cascades at 168052, then to spectacular falls at 175054 and views to Bruin

COMFORT FLEX

Trionic performance....and fit

Over six years ago SCARPA and BERGHAUS began their joint development programme to provide a range of quality, light weight outdoor footwear that was strong, durable and comfortable. During this period, development and testing has been a continuous process dedicated to providing the footwear with the best possible performance, utilising the most up to date materials and technology. From the original Bionic construction has evolved the spectacularly successful TRIONIC range. Probably the most technically advanced range of walking boots in the world, TRIONIC incorporates many unique features, and has constantly led the way with the introduction of innovative materials and constructional techniques.

1. Trionic Comfort Flex Midsole

An anatomically shaped nylon midsole BLAKE SEWN to the boot upper for increased strength, and designed to provide maximum walking comfort. This is achieved by combining a soft longitudinal flex which also protects the sole of the foot from stone penetration.

2. Trionic Sole

The unique TRIONIC TRACTION SOLE with Safety Grip Heel® and patented Yeti Fitting Groove®, manufactured only by Skywalk® of Italy exclusively for SCARPA.

TRIONIC SL



3. Trionic Yeti

The TRIONIC range of footwear is compatible with a design patented BERGHAUS Yeti gaiter. This makes



TRIONIC footwear suitable for use during all four seasons, so increasing the performance of any particular boot.

For more information on the Trionic Range available, write to:

Outdoor Agencies Pty Ltd,
Unit 14F, Hordern Place,
Campdown, NSW 2050,
Australia

 **berghaus**

Berghaus Limited,
34 Dean Street,
Newcastle upon Tyne, NE1 1PG
England.



TRIONIC MIRAGE

TRIONIC ELITE

TRIONIC LADY

TRIONIC SHOE

Melbourne Map Centre

569 5472



- NATMAPS (all States)
- VICMAPS 1:25,000, 1:50,000
- FORESTS COMMISSION
- TASMAPS 1:100,000
- C.M.A. (N.S.W.) 1:25,000, 1:50,000, 1:100,000
- LANDS DEPT. (S.A.) 1:50,000
- LANDS DEPT. NEW ZEALAND
- LANDS DEPT. PAPUA N.G.

740 WAVERLEY RD.
CHADSTONE 3148

Hours 9 a.m. to 5 p.m. Weekdays
9 a.m. to 1 p.m. Saturdays



dried food for the outdoors

- ★ Large serves
- ★ Australian made
- ★ Seven tasty varieties, including three vegetarian
- ★ Entirely natural, nothing artificial
- ★ Quick and easy to prepare

Ask for it at your local camping store.

Trade enquiries: 96B Murrumbeena Road, Murrumbeena, Victoria 3163. (03) 569 4919

Track Notes

Mountain. Return by the same route (seven hours return).

Pheasants Peak. Leave the car at the end of Wog Way (157017). Follow Wog Wog Trail to the peak.

Wog Wog Trail. Leave the car as for the previous walk, but follow Wog Wog Trail (closed to cars) to the north-east for an easy walk to view tall open forest and granite boulders.

Mataganah (259047). This vantage point gives excellent 270° views of most of the Coolangubra area and as far as Victoria. Approach from spurs at 275052 or 275046 which can be reached from a fire track from Big Jack Mountain Road at 291051 and leading to the creek at 283046. The last 100 metres of the climb is steep and scrubby. The return trip takes six hours. (An alternative is to return via Reedy Creek.)

Reedy Creek is a wide, dryish creek requiring boulder-hopping. Campsites are

uncommon. Mataganah can be reached fairly easily by a rainforest creek at 258033. The return trip takes eight hours.

Overnight walks

Good overnight trips can be made by combining some of the above day-walks.

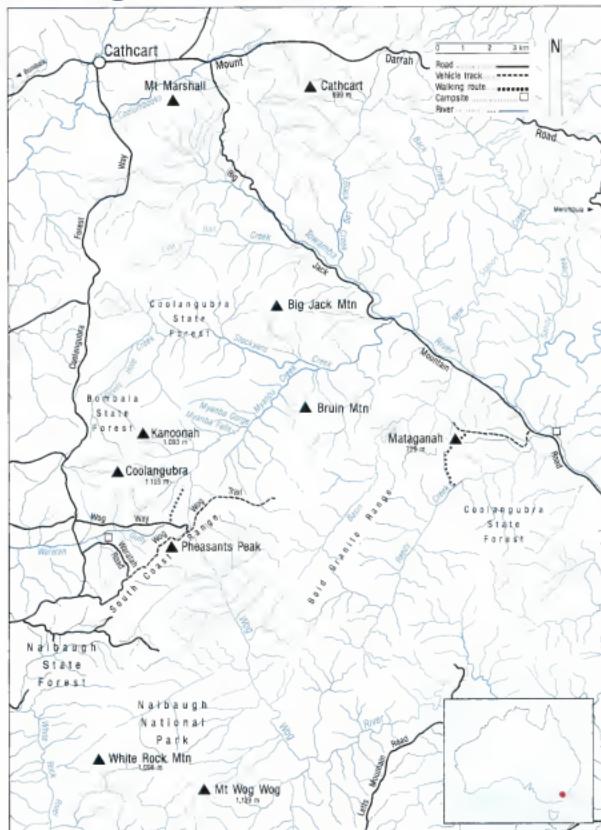
Myamba Gorge. Walk to Myamba Falls (as above). Continue past the falls, into a narrow gorge (178055)—slow going. Return via the creek at 184053 to Wog Wog Trail, which is followed.

Mataganah Circuit. Combine the last two day-walks suggested above by walking up Reedy Creek and returning via the pleasant and open Bold Granite Range.

Extended walks

Almost anything is possible: Stockyard Creek has waterfalls and gorges, Wog Wog Creek has moist forest, and for the experienced, White Rock Mountain offers plenty of rugged terrain. •

Coolangubra Wilderness



PADDY PALLIN RAINWEAR

TOTAL WEATHER PROTECTION

TRIED, TESTED, PROVEN

No other rainwear offers the same high level of performance as the Paddy Pallin River Series. Shell jackets engineered for protection, built to last and tested in the most demanding conditions.

The River Series features revolutionary Gore-tex fabrics, for waterproof, windproof and breathable comfort. Our garments are constructed with meticulous attention to detail — twin needle stitching on crucial seams, bar-tacked stress points, self-repairing coil zippers and hot-taped seams throughout.

Inspired by Australia's great rivers the series includes stylish technical shells designed to defy the elements.

• Colo

The best value Gore-tex rain shell around. Features generous cut, adjustable wired hood, roomy external pockets and storm cuffs.

• Snowy

Our rugged bushwalkers' jacket. Extra-long styling gives excellent coverage. Storm hood, large pockets and tough Taslan fabric.

• Lachlan

New ultralight anorak — perfect for skiing, climbing and cycling. Big front pocket, stretch drawcord waist, handwarmer pockets.

• Wolgan

Smart, compact jacket for trekking and lightweight travel, Foldaway storm hood, drawcord waist and document pockets. See the full range, including Gore-tex overpants at your nearest Paddy Pallin store. River Series Rainwear — proven protection.



SYDNEY (City)
507 Kent Street
(02) 264 2685

MIRANDA

526 Kingsway

(02) 525 6829

KATOOMBA

195 Katoomba Street

(047) 82 2014

WOOLLAHRA

252 Oxford Street

(02) 387 4082

JINDABYNE

Kosciusko Road

(0648) 6 2458

CANBERRA

11 Lonsdale St, Braddon

(062) 47 8949

MELBOURNE

55 Hardware Street

(03) 67 4845

LAUNCESTON

124 St John Street

(003) 31 4240

HOBART

32 Criterion Street

(002) 31 0777

ADELAIDE

40 Waymouth Street

(08) 212 7857

PERTH

7a/59 East Parade, East Perth

(09) 325 5984

For free colour brochures

contact your nearest store or

Mail Order, P.O. Box K511,

Haymarket NSW 2000

Top

— Louise Shepherd and Jon Muir on Mt Cook (Low Summit) N.Z.
Louise Shepherd Collection, Centre

— Paddy Pallin, founder and our
most experienced gear tester.
The Barren Grounds, NSW.
Photo Ian Gibson, Bottom

— Jane Mitchell, powder skiing,
Hokkaido, Japan. Photo Mike
Edmonson, Paddy's Jindabyne.

Paddy Pallin

THE LEADERS IN ADVENTURE

Australia's Major Rockclimbing Areas

A crag tour with *Stephen Bunton*

• AUSTRALIA IS A ROCKCLIMBER'S PARADISE. Our wide, brown land is a far cry from the green valleys and snowy mountainous of other continents that have traditionally been the alpinist's playground. Australia is an ancient land, worn down, almost flat, over millions of years, yet there are still sufficient craggy ranges to support an enthusiastic and vibrant climbing population. Although the landscape changes slowly through the aeons, the game of climbing has evolved rapidly in recent times. Climbers' interests have diverged from the lure of the peaks and, as rockclimbing has become more technical, attention has focused on the warm, dry clifflines scattered across Australia. Venues such as Mt Arapiles have taken a prominent place in world climbing. With Chamonix, Yosemite, and Verdon, which in turn have attracted the best climbers of the day, Mt Arapiles is on the world-tour itinerary. Today numerous rock stars visit Australia to push their standards, lift ours, and to enjoy the unique subculture of Australian rockclimbing.

Rockclimbers generally have their own favourite crag, where they spend much of their time and energy. Accessibility often dictates where they will climb regularly, but occasionally they feel the urge to move on to try other areas. There is infinite potential for rockclimbing in Australia. This survey aims to summarize details of Australia's most popular and renowned climbing areas.

Those wishing to start rockclimbing would be well advised to consult the Getting Started article on rockclimbing in *Wild* no 8 and the Activities Survey, 'Rockclimbing and Abseiling', in *Wild* no 16. The best work on Australian rockclimbing is the book *Classic Climbs of Australia* by Joe Friend (Second Back Row Press, 1983), which outlines, roughly, the state of play up until the end of the 1970s. There have been several attempts to produce a regular rockclimbing periodical over the years. Issues of *Thrutch*, *Peaks*, and *Screamer* may prove of interest in planning your next vertical sojourn. Today only *Rock* survives as a specialist periodical reference source for rockclimbing in Australia.

There are hundreds of crags in Australia which have come to the attention of climbers. Some have been popularized by guidebooks, others overpopularized and overpopulated, whilst others never warranted any attention. Areas covered include the most popular and significant rockclimbing venues in each State.

The **location** of any area is given in relation to the nearest town. If a climbing area is marked on maps by another name I have attempted to include that as well. For example Frog Buttress is part of Mt French. I have also indicated if the area listed is part of a bigger region (Mt Piddington, for example, is part of the Blue Mountains), or whether it comprises a number of cliffs, such as the Warrumbungles, in which case the main cliffs are listed.



Scott Camps climbing Blimp (21), Bundaleer, Victoria.
Andrew Corlass

In considering the **nature of climbs** in an area, the type of rock has the greatest bearing upon the quality of any climbing experience. It determines not only the nature or character of the climbs, but also the style of the climbing and the number of routes. Climbers generally

seek solid clifflines with sound holds and protection. Igneous rocks, such as granite and dolerite, usually have these attributes. Climbing on these rock types can be repetitive, since the line of ascent is often dictated by the jointing of the rock. Climbing on these rock types often depends upon jamming techniques. Granite has more rounded edges and is less steep than dolerite. This tendency to rounded rock tends,

in the extreme, to produce slabs—the other type of climbing for which granite is famous. Metamorphosed sedimentary rocks have the reliably solid character of igneous rock types, but fewer jointing cracks to provide obvious lines of ascent. Face climbing is more prevalent in such areas, and often presents difficulties for the placement of protection. Both the climbing and placement of protection require imagination, and this contributes greatly to interesting and varied climbing. Sedimentary sandstones have great potential for both crack climbing and face climbing, and are usually solid enough not to induce too much terror.

In Australia most climbs are done with a single 50 metre x 11 millimetre rope, or double 50 metre x 9 millimetre ropes, linking a party of two climbers. Many climbs are short, 25 metres or less, and a single rope can be doubled and used for descent by abseil (some abseil descents require two ropes), although in the vast majority of climbing areas, of all heights, descent is made by walking down one end of the cliff, or by some other handy walking route. Multi-pitch climbs usually involve several short pitches, and several of these routes can be undertaken in a day. Long free climbs are multi-pitch climbs of several hundred metres' length or of such seriousness that only one is likely to be undertaken in a day. Big-wall routes require extensive aid-climbing techniques and

more than one day to complete the route.

The **number of climbs** in an area is the best indicator of the popularity of an area, its all-round quality, and your prospect for enjoyment.

The **classic climbs** listed are the climbs that I want to do or the climbs I have done and thoroughly enjoyed. I make no apologies if my tastes do not match those of the reader nor the local pundits. Any such listing will obviously be highly subjective, but none of the routes selected is likely to be a disappointment.

The **features** of a climbing area include notes of any unusual characteristics or points of interest of the area. If an area is subject to extreme seasonal conditions, such as snow cover in winter (as at Blue Lake and Mt Buffalo), this will also generally be noted.

Depending on the accessibility of a crag, it may or may not be necessary to camp in the vicinity. If a crag is too close to civilization there may be no **camping** possible in the area. In most bushland areas camping is basic, with open fires, no toilets, ants, and blowflies. Areas such as Mt Arapiles have semi-developed camping facilities such as water on tap, toilets, and even more flies and other pests. Mt Buffalo is an example of an area with developed camping facilities, including showers, and a cafe. Camping in such areas is heavily regulated, usually has to be paid for, and frequently has to be booked well in advance.

There are numerous crags across Australia with the only monument to those who have scaled them being a few Fördograph sheets stapled between cardboard covers. These have become collectors' items, generally by those whose exploits are recorded in them! As climbing has become more commercialized, and the market has expanded, it has become worthwhile for enterprising individuals to update, slick-up, and republish **guidebooks** and information. Guidebooks seem to be out of date before they are printed. To supplement these guides, updates to popular and important areas have appeared in periodical publications such as *Rock*. I have listed only the most recent guidebook available for each area, together with any updates.

Certainly Mt Arapiles has shaped the face of Australian rockclimbing for over a decade. Indeed, one could be excused for thinking that there are no other cliffs in Australia, but do not be hoodwinked into thinking that it is the only crag in the country worth climbing. The potential for rockclimbing in Australia is as broad as our sunburnt land. The only limit to enjoyment and new routes is the enthusiasm of the participant. •

Stephen Bunton (see Contributors in *Wild* no 6) is *Wild's* Contributing Editor for caving. An experienced rockclimber and mountaineer, he has climbed, as well as caved, in many parts of Australia and in several overseas countries.

Wild Activities Survey Australia's Major Rockclimbing Areas

Area	Location	Nature of climbs	No. of climbs	Classic climbs	Features	Camping	Guidebooks
Northern Territory							
Ayers Rock	450 km SW of Alice Springs. Easy access	Hard sandstone. Steep, unprotected slabs and a classic overhang, The Kangaroo Tail	Few	The Kangaroo Tail (16)	Australia's most famous mountain feature. Desert location. Hot all year round	Developed	None
Queensland							
Frog Buttress	Mt French National Park, 8 km W of Boonah. Easy access	Columnar mylonite. Short climbs of all difficulties. Mostly crack climbing	Several hundred	Castor (16), Infinity (19), Conquistador (21), Child in Time (22), Stand in Line (27)	Famous jamming gymnasium. Fine weather all year round but hot and humid in summer	Semi-developed	Frog Buttress by Joe Lynch
Girraween	Girraween National Park, 4 km N of Wallangarra on the northern side of the border. Includes Mt Norman and the Pyramids. Easy access	Granite. Short climbs of moderate difficulty. Crack and slab climbing	Over 100	Other dimensions (16), Late Afternoon Flake (18), Sticky Fingers (21)	Unusual granite formations scattered over a wide area. Cold in winter	Semi-developed	None
Glasshouse Mountains	90 km N of Brisbane. Includes the spires of Mt Beerwah, Mt Lindsay, Crookneck and Tibrogargan. Easy access	Rhyolite and trachyte (volcanic plugs). Long climbs generally of moderate difficulty. Crack and face climbing	Over 50	East Crookneck (16), Clemency (16), Flumeout (17), Pares and Quads (22), Raptures (25)	Prominent isolated pinnacles attractive to summit baggers. Warm and humid all year round	Basic	A Guide to the Glasshouse Mountains by Rick White (out of print)
Shady Buttress	25 km SE of Bowen, on Knappa Peak. Easy access	Rhyolite. One- and two-pitch face climbs, mainly in the higher grades with well-spaced (bolt) protection	About 100	Whip (18), Stoke the S-Bend (20), Rustox (25)	Cool face-climbing in Queensland!	Basic, no water	Lady Shady by Scott & Stewart Camps (Scott & Stewart Camps, 1996) (private guide)
New South Wales							
Balls Pyramid	21 km SE of Lord Howe Island. Access by small boat	Volcanic breccia. Long, serious routes with much vegetation and some loose rock	3	South-east Ridge (14)	A spectacular pinnace rising 564 m out of the Pacific Ocean. Climbing currently banned	None (no fresh water)	None
Blue Lake	5 km W of Charlotte Pass in Kosciusko National Park. 2 hours' walk with full pack.	Granite. Short crack climbs	Less than 50	Obelisk Corner (13), Mindbender (19)	A good beginners' area. Covered in snow during winter. Climbers and guilfies provide good ice climbing when the weather is cool in summer with occasional remnant snowdrifts	Basic. Boil all water taken from the lake	Climbing in the Snowy Mountains by Warwick Williams (University of New South Wales Mountaineering Club, 1973) (out of print)
Bungonia Gorge	30 km E of Goulburn. Walk to the base of the gorge via the tourist track (1 hour)	Marine limestone. Long free climbs (300 m) of difficulty and great seriousness	Less than 50	Old and Grey (20), Rum, Bum, and Grapes (21), Strangeness and Churn (22), Jewel Box (23)	'A poor man's Verbier', only recently becoming popular	Developed. Bungonia Caves Reserve	None

Wild Activities Survey Australia's Major Rockclimbing Areas

Area	Location	Nature of climbs	No of climbs	Classic climbs	Features	Camping	Guidebooks	
Cosmic County	20 km NW of Mt Victoria. Part of the Blue Mountains. Easy access	Soft sandstone. Short, hard line climbs. Mostly faces and some cracks. Few easy climbs	Over 100	10' Father Be Sailing (16), Interstate 31 (17), Walking Wounded (22), Toyland (25)	Often hot in summer	Cold in winter	Basic. No water	A Climber's Guide to the Northern Harley Valley by Andrew Penney (Andrew Penney, 1981)
Dogface	5 km SW of Katoomba. Part of the Blue Mountains. Walk-in access from the Scenic Railway	Very soft sandstone. Several sections but mostly long aid climbs mixed with some free sections. Very serious undertakings	Less than 50	Gorgon (17), M4, Calistus (M6)	A big-wall area. Several cracks dissect this scar of a 1931 landslide	None	The Dogface Guide by Warwick Williams (Sydney Rockclimbing Club, 1974) (out of print)	
Gara Gorge	20 km S of Armidale	Granite. Short multi-pitch climbs. Mostly free with some aid climbs. Range of difficulties	Several hundred	Country Bumpkin (14), Seminny (17), Ambrosia (19), The Great Escape (22)	Dry climate makes the area ideal for sleeping cracks and stony streaks often found in other granite areas	Basic	Climber's Guide to the NE Tablelands by John Lattanzio & Greg Pritchard (University of New England Mountaineering Club, 1981)	
Kaputar National Park	50 km E of Narrabri. Includes many excellent climbs such as those on the Governor, Eughan, Rock, and Mt Kaputar. Easy access to some cliffs; others more difficult	Trachyte volcanic plugs. Mostly three-pitch, grade 17-22	Several hundred	Seaview (14), Steel Dance (18), Iciconidast (20), Pomp and Circumstance (22), White Heat (24)	Impressive peaks (in a wider setting in some cases). Very cold in winter	Developed and basic campsites	Climber's Guide to Kaputar by Mark Coyvan & John Lattanzio (Coyvan and Lattanzio, 1982)	
Mt Piddington	3 km S of Mt Victoria. Part of the Blue Mountains. Easy access	Soft sandstone. Short or multi-pitch climbs of all difficulties. Crack and face climbing	Several hundred	The Carpenter (13), Mountain Wall (15), Flax Crack (17), The Eternity (20), The Jancipets (21), Psychodrama (23)	The most popular cliff in NSW, with numerous test-pieces which set the standard of the 1960s. Hot in summer, cold in winter	Basic. Under sandstone overhangs at the car-park or halfway S of the car-park. Water tank at the look-out	A Climber's Guide to Mt Piddington by Andrew Penney & Mike Law (Sydney Rockclimbing Club, 1982)	
Narrow Neck	6 km SW of Katoomba. Part of the Blue Mountains. Easy access	Soft sandstone. Short or multi-pitch climbs of all difficulties. Crack and face climbing	Over 100	Tal (13), Tell (16), Zacerius (19), Katchendangle (21)	Many old aid climbs which have been freed	Basic. Accommodation in the numerous Paynacres or Waterfall Caves	The Rockclimbs of Narrow Neck by Andrew Penney (Thrutch magazine, 1978)	
Sydney Sea Cliffs	Includes all coastal cliffs in the vicinity of the city, from Palm Beach to Botany Bay. Easy access	Very soft sandstone. Short or multi-pitch climbs, mostly hard and scary	Several hundred	The Fear (17), Cruise or Bruse (20), What's the Neighbours Think (22)	Lots of salt-encrusted and honeycombed, weathered rock. Suited to all-year-round climbing and people who like that kind of thing	None	Sydney Suburbs and Sea Cliffs Guidebook by Mike Law (Rock magazine, 1987)	
Warrumbungle National Park	32 km W of Coonabarabran. Includes the volcanic spires of Crater Buff, Black Spire, Buff Mountain, and Tondorun	Trachyte volcanic plugs. Long, mostly middle-grade routes	About 100	Lieben (17), Flight of the Phoenix (17), Caucasus Corner (17)	Individual summits provide a sense of having climbed a real mountain. Hot during summer and always cold at night	Developed and semi-developed campsites	Rock Climbing in the Warrumbungles by Joe Friend (Thrutch magazine, 1976)	
Wolgan Valley	20 km N of Lithgow. Part of the Blue Mountains. Easy access from the western section of the Newells. Includes the Coke Ovens, and Old Baldy.	Soft sandstone. Multi-pitch free climbs of all difficulties	Several hundred	Diarrhoea Chimney (9), Scimitar (18), Sizzler (19), The Wars of the Roses (20)	The best multi-pitch climbs within easy reach of Sydney. Cold in winter. Choose your season. Old Baldy faces S (summer) and the Coke Ovens face N (winter)	Basic. Boil the water from the river	The Wolgan Guide by Pete Taylor & Andrew Penney (Sydney Rockclimbing Club, 1984)	
Australian Capital Territory								
Borromba Rocks	45 km SW of Canberra, near Honeysuckle Creek Training Station. Easy access from campsite	Granite. Short or multi-pitch crack climbs. Longer slab climbs. All difficulties	Several hundred	Sunstreak (9), Equilibrium (17), Integral Crack (20)	A premier granite and slab-climbing area. Hot in summer	Basic. No water	Granite Climbs in the ACT by A J Wood (Australian National University Mountaineering Club, 1977), More Granite Climbs in the ACT by Tim Chapman (ANU MC, 1983), Granite Climbs in the ACT—1986 Update by John Carlton & Mike Peck (Carlton & Peck, 1986)	
Victoria								
Bundaleer	15 km W of Halls Gap. Part of the Grampians. Easy access	Sandstone. Mostly short crack climbs of all grades, and hard walls and roofs	Less than 100	Geronian (16), Odysseus (18), Bimbo (21), Angular Perspective (27)	Strong lines in 'moody' surroundings: gritstone-like rock	Basic. cave. The water supply may dry up during a long dry period	Central Gremplains by Chris Barker (Victorian Climbers Club, 1977) (out of print), "Bundaleer" by Glenn Tempest (Rock magazine, 1984) (out of print)	
Mt Arapiles	25 km W of Horsham. Easy access	Metamorphosed sandstone. Short and multi-pitch climbs of all difficulties and styles. Sleeps in stalactites with good protection a specialty	Over 2,000	Arachnus (8), O Minor (13), Missing Link (17), Spider's Egg (20), Kachet (21), Anatomical Neurosis (26), Punks in the Gym (32)	Australia's premier climbing location. Very hot in summer, cool in winter	Semi-developed. Campsites. Camping restricted to this area	Arapiles A Rockclimber's Handbook by Kim Cameron (Victorian Climbers Club, 1988), "Mt Arapiles Update" by Kim Cameron (Rock magazine, 1985), "Mt Arapiles Update 2" by Chris Baxter (Rock magazine, 1987)	
Mt Buffalo	30 km S of Porcupine. Generally easy access but some longer approaches, including abseil approaches	Granite. Short crack climbs. Long free and aid routes in the gorge. Few easy climbs. Most are difficult and serious undertakings	Several hundred	Devilled Cream (13), Mahaputra (17), Sultan (20), Hard Rain (22), El Supremo (25), Ozymandias Direct (M4), Lord Guntries (M6)	Australia's best granite area—many cliffs. The North Wall of the Mt Buffalo Gorge is justly famous. The 'wall' area is with several of the longest and hardest aid routes in the country. Area covered in snow during winter	Developed	Mt Buffalo, A Rockclimbers Guide by Jeremy Boreham & Kevin Lindorff (Boreham & Lindorff, 1983)	

POST-REVOLUTION PACKS

LEADING YOUR BACK TO THE FUTURE

BETTER PROTECTION

The bag rim is upswedged under the top cover. Full-length liner bag with Expedition 2

BETTER DESIGN

Clean bags, zero snags. Add on anything with our modular pocket mountings

BETTER FABRIC

Core-spun canvas; hi-tech finished, stronger, lighter, waterproof, colourfast, unique to Wilderness Equipment packs (Cordura model also available)

BETTER MADE

Heavy core-spun thread, double-stitched, taped seams, unrivalled watertightness, bartacked stress points, Cordura reinforced bases



Expedition 2

Expedition 1

MADE FOR YOU

Each model comes in 4 fully graded sizes. Select your pack and hip harness exactly. A custom pack, forget adjustments

SHOULDER HARNESS

Two-density laminated foams, progressively curved, adjustable for build, tough, absorbent fabric, superb comfort

TRANS-CLIMATIC DESIGN

Our offset-cross frame can hold the shape you give it. Select unmatched ventilation when needed

HIP HARNESS

Squat, supported lumbar pad and directionally stiff wings distribute load perfectly. Our unique articulation assures dynamic freedom

AUSTRALIAN EXCELLENCE - MORE THAN MEETS THE EYE



Guide-Light
day-and-a-half pack



The Breakout
outdoor education pack



Wilderness Travelpack
A hard act to follow



Pockets, accessories,
whatever you need



Slipstream and Flashback
day packs

Adventure Camping
Caving Equipment
Eastwood Camping
Jolly Swagman
Mountain Designs
Outsports
Paddy Pallin
The Wilderness Shop
The Paddy Pallin
Torrie Mountaincraft
Wilderness Equipment
Wild Country
Young's Outdoor Gear

Townsville

Sydney

Sydney

Hobart

Perth, Adelaide

Melbourne

Hobart

Melbourne

Adelaide

Brisbane

North Fremantle

Canberra

Burnie



The new packs from
Wilderness Equipment.
Affordably priced,
they make a lot of sense.

More information?
Write to the manufacturer:
Wilderness Equipment
PO Box 83, Fremantle,
Western Australia 6160

Wild Activities Survey Australia's Major Rockclimbing Areas

Area	Location	Nature of climbs	No of climbs	Classic climbs	Features	Camping	Guidebooks
Mt Rosey	10 km SE of Halls Gap. Part of the Grampians. Easy access	Metamorphosed sandstone. Three- and four-pitch climbs of all grades	Less than 100	Debutante (14), Diane (17), Martin Eden (19), The Ascension (21)	Some of the best multi-pitch sandstone climbing in Australia. Wet in winter	Basic	Central Grampians by Chris Baxter (Victorian Climbing Club, 1977) (out of print)
Mt Stoneyton	20 km SW of Horsham. Part of the Grampians. Easy access	Metamorphosed sandstone. Climbs of all grades, mostly short and many interior, but the good ones are excellent	Several hundred	Simpleton (17), Sandinista (22), The Seventh Pillar (23, M1), The Great Divide (26)	Several cliffs, providing a popular alternative to nearby Mt Arapiles. Taipan Wall is an extraordinary feature	Basic	Climbers Handbook to Mount Stoneyton and Immediate Areas by Bill Andrews (Victorian Climbing Club, 1985)
Tasmania							
Bee Lomond	60 km SE of Launceston. Includes Stacks Bluff and Frews Flutes. Generally easy access	Columnar dolerite. Multi-pitch climbs of all grades. Difficult nature. Steep, strenuous, and sustained crack climbing	Several hundred	Solari (17), Rock-a-Day (18), The Jack Straw (20), Rigorous (20), Defender of the Faith (21)	Great potential for new routes. Covered in snow during winter. Some snow and ice climbing	Basic	Bee Lomond—An Informal Guide by Robert McMahon (Robert McMahon) (private guide)
Coles Bay	45 km S of Bicheno. Includes Whitewater Wall, the Hazards, Mt Amos and Cape Bourville. Easy access	Granite. Short crack climbs of all difficulties, and long slab climbs, particularly on the Hazards	About 100	Out of the Blue (13), Beowulf (17), Pourquoi (19)	Very popular. Sunny all year round. Some areas can be dangerous during big seas	Basic, above Whitewater Wall (no water), and generally in Coles Bay township	None
Federation Peak	South-west Tasmania, via Geeston. Two days' rugged walk from Farmhouse Creek	Quartzite. Multi-pitch climbs of moderate difficulty. Exposed face climbing in a very remote setting	Less than 20	North-east Corner (12), Golden Ondre (17), Blide Ridge/North-west Face (17)	Australia's most alpine summit. Extreme weather possible all year round. Covered in snow during winter. The Blide Ridge/North-west Face is one of Australia's longest and most spectacular climbs	Basic, on Bechervaise Plateau or Thwaites Plateau	A Climbers Guide to Federation Peak (Climbers' Club of Tasmania, 1969) (out of print)
Flinders Island	Bass Strait. Includes Killecraikin and Mt Strzelecki. Access moderate to difficult	Granite. Smooth-grained cracks and huge slabs	About 200	A Christmas Carol (16), Killecraikin (18), Titanic (21), Taipan (21)	The Mt Strzelecki area has enormous potential for big and serious new routes	Basic	Killecraikin Guide 1986 by Steve Craddock (Alison & Steve Craddock, 1986) (private guide). Flinders Island: A Climber's Informal Guide by Ian Scragg (Victorian Climbing Club, 1981) (out of print)
Frenchman's Cap	A hard day's walk from the Liffey Valley, 100 km S of Queenstown	Quartzite. Long climbs of a more rounded nature. Some loose and wet rock	About 50	The Sydney Reap (15), The Acropolis (16), The Prom (16), La Grande Pump (21), The Great Fluke (22)	Extreme weather possible all year round. Covered in snow in winter. A remote and dramatic area	Lake Tahune Hut	A Climber's Guide to Frenchman's Cap by Phil Robinson (Climbers' Club of Tasmania, 1979)
Mt Geryon and the Acropolis	Cradle Mountain—Lake St Clair National Park. One day's walk from Narcissus Hut at the N end of Lake St Clair	Columnar dolerite. Long crack climbs of moderate difficulty with some loose and vegetated rock	Less than 40	Mt Geryon Traverse (14, A1), Orion (17), Old Wave Holes (21), Black Man's Country (25)	Extreme weather possible all year round. Covered in snow in winter. Some snow and ice climbing possible	Basic, on Cephalus Creek or in the lower E Face of Mt Geryon	'Mt Geryon and the Acropolis' by Chris Baxter (Rock magazine, 1984) (out of print)
The Organ Pipes, Mt Wellington	17 km W of Hobart. Easy access	Columnar dolerite. Multi-pitch crack climbs of all difficulties	Several hundred	Fiddlers Creek (14), Encorneron (17), Icarus (19), Battie Cruiser (20), Sky Rocket (23)	The most accessible major crag in an Australian city. Cold, wet and often snow-covered in winter. Long daylight hours in summer	None	The Organ Pipes Mount Wellington by Phil Robinson & Martin Stone (Climbers' Club of Tasmania, 1981)
Teasen Peninsula	100 km SE of Hobart. Includes Cape Huay and Cape Raoul. One day's walk from near Port Arthur	Oolerite columns. Multi-pitch free and aid climbs of moderate standard. Crack climbing. Serious undertakings	Few	The Candleswick (15), The Totem Pole (M6)	Spectacular sea-stack and sea-cliff climbing in wild, exposed locations. Considerable potential	Basic	None
South Australia							
Mooserie	Flinders Ranges, 42 km N of Hawker. Easy access	Metamorphosed sandstone. Short and multi-pitch climbs of all difficulties. Crack and face climbing	Several hundred	Nervine (12), Hangover Layback (15), Pine Crack (19), Dry Land (22), Snakes and Ladders (24)	'Mt Arapiles without the crowd'	Basic, no water	Moonarie—A Rock Climbers Guide by Tony Barker & Quentin Chester (The Climbing Club of South Australia, 1983)
Western Australia							
South Coast	Many places near Albany. Easy access to moderate access	Crystalline granite. Short and multi-pitch climbs	Less than 100	Better Than Expected (13), Surf's Up (15), Piked Out (20), Fear No Evil (24)	Can be dangerous in heavy seas	Developed sites in Albany	A Rock Climbing Guide to Granite Areas in Southwestern Australia by Richard Rathbone & Mike Smith (Climbers Association of WA, 1982)
Stirling Ranges	350 km S of Perth. Many cliffs, most with scrubby access (scrubby) access	Shale and sandstone. Steep face climbing of up to 300 m. Modest easy to moderate. Some loose rock	Over 200	Hell Fire Gully (13), Craggy Gorge (16), Capital Squeeze (19)	Cold and wet in winter. Bed-nightments common	Developed National Park site near Bluff Knoll. Little water elsewhere	A Rock Climbing Guide to the Stirling Ranges Part A (east) and B (west) by Mike Smith & Richard Rathbone (Climbers Association of Western Australia, 1982)
West Cape Howe	40 km W of Albany. Four-wheel-drive or long walk from road	Crystalline granite. Sea cliffs with one- or two-pitch climbs generally in the higher grades	Less than 50	Police Brutality (14), Vintage (18), Flickering Indecies (22), Corruption in High Places (23)	The best climbing in WA but infrequently visited because of its distance from Perth. Great potential	Developed sites in Albany (As for South Coast)	None
Willyabrup	15 km NW of Margaret River. Written permission required to cross private land, or a one-hour walk round it	Granite/gneiss. Varied, single-pitch climbing of all grades. Some loose rock	About 100	Banana Split (14), Corpus Delecti (17), Mob Job (20), KGB (26)	One of WA's most popular crags. Caving, surfing and wine-growing nearby!	None at the crag. Developed—Caray Caravan Park (4 km S)	None

Escape into the Wilderness with Scout Outdoor Centres

EQUIPMENT FOR THE WILDERNESS

BOOTS
TENTS
RUCKSACKS
SLEEPING BAGS
CLIMBING GEAR
CYCLE-TOURING GEAR
EXTENSIVE CLOTHING RANGE

• All the right brands - best prices in town



MELBOURNE 360 Lonsdale Street, Melbourne 67 1177
MOORABBIN 880 Nepean Highway 555 7811
MITCHAM 20 Station Street 873 5061
BENDIGO 79 Mitchell Street (054) 43 8226
GEELONG 33 Myers Street (052) 21 6618
Mail Order: P.O. Box 128, Moorabbin, Vic. 3189



Stoves

Buying a stove without burning your fingers; with James Adams

Wild Gear Survey

• STOVES ARE AN IMPORTANT PART OF THE increasingly imperative 'take nothing but photographs, leave nothing but footprints' ethic, and are mandatory equipment in alpine environments.

Most stoves are designed to burn a specific fuel. Choosing the most appropriate fuel for your needs is the first decision to make when buying a stove.

Butane (Camping Gas) Simply light a match, turn a knob, and a quiet burner instantly produces a hot, controlled flame, at a price.

Butane is a gas, liquefied by compression, and stored under pressure in sealed cartridges. When the stove valve is opened, the liquid butane 'boils' and vapour is released into the burner. Output depends on canister temperature and atmospheric pressure. Canisters should only be warmed with body heat.

Butane boils, or vaporizes, at 0°C at sea level, -4°C on the summit of Mt Kosciusko, and -17°C on the summit of Mt Everest. Butane stoves are not reliable in cold places because they only work when several degrees warmer than their fuel's boiling point. They are, however, useful for travelling and occasional canister walks, and subject to temperature, at high altitude.

Butane canisters are usually available in larger cities around the world. They are expensive and present a disposal problem. Butane costs between two and ten times more than the other fuels represented in the survey.

Always check that old canisters are empty and that the O-ring of a new canister is in good condition before changing canisters. Butane sometimes leaks from canisters, so carry a spare. Volatile fuels, especially butane canisters, should never be carried on aircraft.

Kerosene (paraffin) is the most ubiquitous stove fuel in the world. It is relatively dirty, with an unfortunately penetrating odour. Low volatility makes kerosene stoves safe to operate but difficult to start. Pre-heating is achieved by a variety of methods.

The Optimus 00 Camper disassembles and packs down into a small package and requires a separate pre-heating fuel. Daerim stoves have a unique fuel atomizer with flint igniter at heat the main burner.

Methylated spirits is clean, convenient, and relatively safe. Its heat output for weight, however, is only a little more than half that of the other fuels. Methylated spirits burns with a long, relatively cool and, at times, invisible flame. (Make sure the stove has been extinguished before refuelling.) Alcohol stoves need very efficient windshields to concentrate heat around the billy. For this reason most alcohol stoves come with an integrated cookset.

While overturning a burning Trangia can be serious, as the fuel is burnt in an open 'pot' burner, and an overfilled Optimus Trapper dribbles burning fuel on to the ground, these stoves are relatively safe and reliable, and ideal for unsupervised, inexperienced people.

Multi-fuel stoves burn a range of fuels, solving the problem of availability of any one.

The MSR XGK burns petrol, Shellite, kerosene, and just about any fuel except alcohol (unless it is blended with an equal quantity of Shellite). (Methylated spirits burns at about two-thirds the speed of the other fuels for which the

dangerous procedure.

Stoves with integral or accessory-pumps are easiest and safest to light. Other stoves must be pre-heated to build up pressure, and are called self-generating stoves. Pre-heating is



Plate, left, pot and ported burners. Adams

stove is designed. As fuel delivery to the burner exceeds the rate of its combustion, the methylated spirits blows itself out.)

The Optimus 199 Ranger also burns a range of fuels, including methylated spirits, has better heat control, and packs into a more convenient shape than the XGK.

Shellite (white gasoline, white spirit, lighter fluid) is a traditional bushwalking stove fuel. It is clean, cheap, and efficient. Shellite is highly volatile and should be handled with great care. Shellite is also a useful solvent and dissolves cross country ski wax. (Cleaning skis with Shellite is a chilly experience.)

Shellite stoves can generate a lot of heat and are ideal for thawing water from snow.

Where Shellite is unavailable, standard-grade or unleaded petrol is a reasonable, though less reliable, alternative.

Fuel tanks should only be two-thirds filled. Many tanks have small openings and are easily overfilled. Spilt fuel is not only a fire risk, but can be harmful to fabric proofing. Liquid-fuel fires are difficult to contain because most liquid fuels float on water. Try smothering the fire with a damp garment. In the undesirable event of having to cook inside a tent, make sure that the stove is filled and lit outside.

All Shellite stoves require pre-heating or pressurizing, often a frustrating and potentially

achieved by first sealing the tank then carefully pouring additional fuel or smearing inflammable paste over the burner and setting it alight. When the priming fuel has burnt, the burner should be so hot that fuel from the tank only reaches the burner as vapour. Then the stove will start without flaring. (Flaring is caused by liquid fuel reaching the burner.) Inconvenient and dangerous, this process does not always work the first time, tempting one to leave the lid off the fuel bottle... Don't—tent, sleeping bags, and lives have been lost in this manner.

Notable for its pre-heating safety, is the Optimus 324, which uses a fuel atomizer to pre-heat the main burner, making fuel spillage impossible. The main burner is operated by a second control once it is hot.

The burners of both the Optimus 324 and the MSR stoves are isolated from the tank, which remains cool to touch and unlikely to ever overheat.

To prevent fuel tanks from overheating, use small pots and avoid improvised windshields.

Optimus stoves have safety valves which 'pop' at six times the normal operating pressure. Each tank is pressure-tested to ten times that pressure. It is worth while keeping the safety valve (situated in the fuel cap) pointed away from sensitive objects such as your face, as a massive flame may be released.

Optimus stoves are robust and reliable but difficult to repair in the field. The lighter MSR

SALOMON

MATCHED FOR MAXIMUM ENJOYMENT



A leisurely day of easy, effortless skiing in the open air. Sharing a brisk, vigorous run and the confidence of knowing you've chosen the open boot/binding combination. The Salomon SR401 boot and SR Automatic binding... precision matched for maximum enjoyment. For extra warmth and comfort, both the SR401 and SR401 Lady boots feature the new bi-material sole, with a PU-coated upper, lined with acrylic pile. The SR401 Lady, an all-new design for the 86-87 season, is lasted specifically for the female foot in attractive white and gray. With the SR Automatic and SR Automatic Lady bindings, you're enjoying excellent lateral support and a new sensation of ski control. The Salomon SNS System... top performance cross country boots and bindings... precision matched for years of skiing enjoyment.

SALOMON.
FOR THE COMPETITOR IN US ALL



stoves are less reliable, but come with spare parts designed to be installed in the bush (by the mechanically minded).

Solid fuel (hexamine) stoves are impractical for constant use but are good, foolproof back-up units.

Pot-burners offer little control, and **plate-burners** provide a poor spread. Because they burn unevenly, plate-burners are very noisy. **Ported burners** mix fuel and air thoroughly at all valve settings and offer the best control and spread of heat, making it possible to simmer a stew or porridge or even fry a pancake or bake a pot damper.

The long, soft ported- and pot-burner flames spread across the billy surface, reducing the likelihood of burning food, but when exposed to wind they will barely warm a billy. Unprotected stoves were placed in the gentle breeze of a domestic fan on a low-speed setting during the windy boil test.

The Optimus 00 Camper and MSR stoves regulate liquid fuel leaving the tank, rather than vapour entering the burner, giving poor control and a considerable delay between adjustment and flame response.

Vapour-regulation valves incorporate a

cleaning needle. By simply turning the control fully on, any dirt is pushed out (not in, which happens when a cleaning wire is used).

A cleaning needle must not be used to turn off a stove because the jet, contracting as it cools, will clamp the needle, breaking it when the stove is restarted.

Blockages caused by water contamination of the fuel can be alleviated by adding a tiny amount of methylated spirits to your fuel. The water will dissolve in the methylated spirits which in turn will dissolve in the Shellite or kerosene along with your problems.

Windshields can increase the efficiency of a stove by about 15% in still air, reducing fuel consumption. Protective casing is included with the Optimus Trapper and Trangia cooksets.

A small piece of three-ply timber or foam mat will prevent your stove burning a hole in your tent floor or sinking into the snow, taking your meal with it.

Boiling times and fuel consumption figures include assembling and starting each stove. Water was boiled in integral cooksets when provided. Each litre of water was heated from 23°C to 100°C; lids were used.

Carbon monoxide is an invisible and odourless product of the incomplete

combustion of hydrocarbon fuels used by all rucksack stoves. Carbon monoxide has 400 times more affinity for haemoglobin than oxygen. So breathing concentrations of carbon monoxide, which displaces oxygen in the blood, is potentially fatal. Heavier than air, carbon monoxide is a threat when cooking in igloos, snow caves, and tents. Make sure that ventilation is adequate. Because carbon monoxide is heavier than air, cook below the floor-level of sleeping areas where possible. The New South Wales Department of Industrial Relations recommends that exposure to carbon monoxide not exceed about 100 parts per million for four hours or 200 parts per million for two hours. More stringent US standards tolerate only one hour's exposure to 100 parts per million. Carbon monoxide production is dramatically reduced if the billy is raised above the flame. Our test was conducted with a billy of cold water on each stove at maximum output in a double-skin, two-person dome tent with the door flap open 15 centimetres. When the carbon monoxide concentration was greatest, air in the tent was unpleasantly thick and smelt strongly of burnt fuel. Hexamine's unusual combustion products may have exaggerated the solid fuel stove results. •

Wild Gear Survey Stoves

	Weight, grams when empty (stove only)	Size packed (l x w x h mm)	Time to boil one litre, minutes	Fuel used to boil one litre, grams	Carbon monoxide, parts per million after 2.5/7.5/15 minutes	Burner type	Features	Safety	Stability	Ease of use	RR price
Butane (45.1 megajoules per kilogram)											
Gaz Bleuet	285	110 x 110 x 190	9.00	No boil	20.50	15	105/160/180	Ported	Good	Satisfactory	Very good
Gaz Gobetrotter	480	115 x 115 x 140	9.17	As above	15.30	15	62/83/100	As above	As above	As above	\$45
Gaz instantane	605	120 x 120 x 195	13.50	As above	No boil	15	105/150/180	As above	As above	As above	\$50
Pengas Gas Pack	640(450)	170 x 180 x 110	13.00	As above	19.50			As above	Very good	As above	\$30
Kerosene (43.1 megajoules per kilogram)											
Gazim 105	1,540 (1,430)	140 x 140 x 190	5.40	5.25	7.50	21	37/75/110	Ported	Very good	Good	\$40
Gazim 1747	1,600 (1,490)	170 x 170 x 190	5.40	5.25	7.50	21	37/75/110	As above	As above	As above	\$45
Optimus 00 Camper	700	140 x 140 x 85	10.50	19.00	11.25	14	45/100/110	Plate	As above	As above	Satisfactory
	100 x 120 x 60										\$75
Methylated Spirits (25.0 megajoules per kilogram)											
Optimus 81 Trapper	970	206 x 206 x 110	11.00	13.00	12.30	27	102/250/400+	Pot	Pump, windshield	Very good	Very good
Trangia 27-1	850	190 x 190 x 100	10.58	12.00	16.58	26	40/250/320	As above	As above	As above	\$45
Trangia 25-1	1,150	220 x 220 x 120	11.08	12.17	17.00	24	40/200/285	As above	As above	As above	\$55
Multi-fuel											
MSR XGK	575 (450)	270 x 135 x 105	4.00	4.25	4.10	12	35/50/75	Plate	Cup, pump, windshield	Very good	Good
											\$100
Optimus 199 Hunter					5.30		30				
Shellite	800	100 x 125 x 125	9.00	19.50	12.20	22	30/44/100	Ported	Cup, pump	Satisfactory	As above
							14			Very good	
					6.20		40			As above	
Shellite (45.3 megajoules per kilogram)											
MSR Whisperlite	513 (362)	120 x 100 x 100	4.83	5.60	7.60	15	65/105/125	Ported	Pump, windshield	Very good	Very good
Optimus 123 Swea/Climber	550	95 x 95 x 138	7.50	7.83	9.17	16	100/150/210	Plate	Cup, (pump)	Good	Satisfactory
Optimus 324 Rider	735	120 x 120 x 110	4.75	8.60	6.75	23	320/400+/400+	Ported	Pump	Very good	Good
Optimus 8R Hunter	600	130 x 130 x 80	6.50	8.68	14.30	16	80/100/290	Plate	(Pump)	Satisfactory	Very good
Solid fuel (Approx 20 megajoules per kilogram)											
Esbit Pocket Cooker	180 (100)	130 x 75 x 20	7.50	No boil	15.50	44	400+/400+/400+			Very good	Satisfactory
Firelite	530 (130)	115 x 67 x 30	8.75	No boil	14.17	50	400+/400+/400+			As above	As above

GORE-TEX FABRICS ON TOP

All-Weather Reliability and Breathable Comfort

Waterproof, breathable Gore-Tex® fabric protects you from the elements. Unlike conventional coated fabrics which are hot and clammy to wear and tend to lose their



Greg Mortimer wearing a Gore-Tex® down suit on the summit of Mt Everest. Photo Tim Macartney-Snape

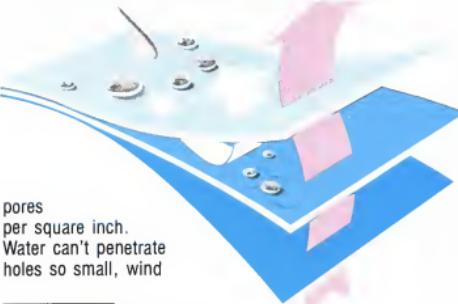
water resistance after repeated use, Gore-Tex® stays watertight and comfortable, year after year.

Demanding use in the field, including

many Everest expeditions (such as as

the First Australian Mt Everest Expedition) have proved that.

Gore-Tex® fabric is made by permanently bonding a tough, flexible microporous PTFE membrane between layers of durable fabric. The membrane contains nine billion



pores
per square inch.
Water can't penetrate
holes so small, wind



Creative Technologies Worldwide

Trade enquiries: W. L. Gore & Associates (Australia) Pty Ltd PO Box 707 Brookvale NSW 2100 Telex 73355 Answerback code 02GORE
Telephone (02) 938 5755. TMGore-Tex is a trademark of W. L. GORE and Associates. ® Registered trade marks of W. L. Gore & Associates Inc.

can't blow through but perspiration can evaporate, keeping you dry, comfortable and safe.

Bushwalkers, climbers, skiers, runners and golfers around the world depend on Gore-Tex® fabric garments,



The 1984/85 Australian Men's Alpine Ski Team wearing their Gore-Tex® uniform

Tape-Sealed Seams

Seam sealing is critical to the performance of waterproof garments. Seams are permanently waterproofed and strengthened with hot-air-welded three-layer Gore-Tex® seam-sealing tape.

Easy to Care For

Gore-Tex® fabric requires no special laundering. A garment can be cleaned by standard machine washing using powder detergent.

3-Year Warranty

W L Gore and Associates offer a three-year warranty on Gore-Tex® fabrics used in garments bearing the Gore-Tex fabric warranty tag. You are assured of the best functional combination of weatherproof protection with breathable comfort, now with an unprecedented three-year warranty.



GORE-TEX
FABRICS



Top to Bottom

The Northern Territory and Tasmania in pictures

Reviews

The Top End of Down Under by Peter Jarver (Thunderhead Photographics, 1986, RRP \$29.95).

With the debate on the future of Kakadu National Park hitting the headlines, the release of this book by photographer Peter Jarver is timely. Although covering the very 'top end' of Australia, a good third of the photographs present the rugged but serene beauty of Kakadu. The remaining two sections of this 120-page full-colour volume touch upon the rest of the Northern Territory, including Darwin, Casuarina Beach, and Tabletop Range Park, and conclude with spectacular photographs of cloud formations and lightning displays peculiar to the coastal region.

An insightful commentary, written by the author and Kerry Davies, accompanies the photographs. It provides a sufficient historical, economic and social perspective for the area, and the result is a serious and balanced introduction to the 'top end' of Australia, as well as a collection of superb photos. The work of Peter Jarver contributes not only to conservation efforts but also to the direction of Australian photography. His photographs of Darwin, in particular, reflect an understanding of form and colour that sees photography as beyond representational.

These precisely exposed and impeccably printed photographs are unfortunately surrounded by thick, wobbly grey keylines with blobby corners, detracting from the overall impact of the images. The work of Peter Jarver deserves a more sympathetic graphic treatment. Nevertheless the volume remains an applaudable serious work.

David Wong

Myles Dunphy: Selected Writings compiled and annotated by Patrick Thompson (Ballagirin, 1986, RRP \$29.95).

Myles Dunphy (1891-1985) was a legend in his lifetime in New South Wales, and probably beyond, among bushwalkers and the conservation movement. He was co-founder of the Mountain Trails Club, in 1914, one of the very early bushwalking clubs in Australia, and was the pioneer in this country of the idea of wilderness and its expression in National Parks.

His extraordinarily comprehensive proposals, prepared mainly during the 1930s and 1940s, for a Blue Mountains National Park and a Snowy-Indi National Park, and several other parks and reserves in New South Wales, have all become realities, if much later and smaller than he had hoped.

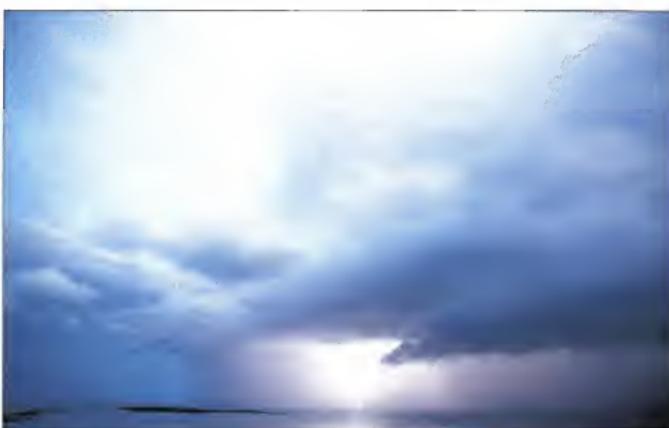
Myles's ideas evolved from his explorations on foot and by canoe when the bush was really wild and remote. Lacking the topographical maps we now take for granted, he compiled his own, using his skill as an architectural draftsman. They are unique works of art which convey the shape of the land with great fidelity, and which contain abundant information, invaluable to walkers. An assiduous recorder, Myles kept diaries of his travels and a collection of his voluminous published writing.

Patrick Thompson, himself a bushwalker and conservationist, won Myles's trust in the later

years of his long life and has produced from the journals an extremely handsome tribute in this book (launched by former NSW Premier, Neville Wran, last November). Of particular interest to walkers are the chapters on his expeditions and the production of his maps; together with the chapters on War, Religion, Politics, Family and Work, National Parks, and Wilderness, they

alternatives: is mankind to have access to the seventh continent to provide for his needs as resources become exhausted elsewhere, or is all exploitation of the continent to be prohibited and the continent preserved as a wilderness area?

Geoff Mosley puts the ACF view which, naturally, argues for the second alternative. He



Early-morning storm over Casuarina Beach, Northern Territory. Photo by Peter Jarver, reproduced from *The Top End of Down Under*.

yield a rounded picture of a remarkable man. His eloquently expressed ideas about recreational walking, the value of wild places, the purposes and management of National Parks, and many other matters, are well worth pondering in these days of activities dubbed exploration and adventure and of dubious 'uses' of National Parks.

The book contains excellent sepia photographs from Myles's collection and those of some of his colleagues, depicting people and places he knew; they are wonderfully clear, some having been taken more than 70 years ago. There are also reproductions of his maps, some of which are still in print.

The history of the Australian conservation movement and of bushwalking are almost unknown facets of Australia's social history. Patrick Thompson has done a fine job in bringing them to the fore, where they belong.

Proceeds from the sale of this beautiful book will go to the Cologo Committee to ensure that Myles's work can be continued.

Sandra Bardwell.

Antarctica-Our Last Great Wilderness by Geoff Mosley (Australian Conservation Foundation, 1986, RRP \$12.95).

Argument about the future of Antarctica revolves fundamentally around the following

says 'The most obvious way of implementing a "complete protection" option is through the strategy of a world park'.

Although he writes 'the (Antarctic) Treaty system does offer the best prospect for the protection of the Antarctic wilderness', he criticizes steps being taken in Antarctic Treaty consultations to develop a 'minerals regime' that would control possible future exploitation of the continent. He considers that this pre-empts consideration of the full protection option.

However at present there is no control mechanism which could prevent commercial exploitation in Antarctica should some large company decide to embark upon such an enterprise. The development of a 'minerals regime' is therefore, in my opinion, an urgent necessity.

The author mistakenly assumes (pages 21 and 24) that, because 12 nations originally signed the Antarctic Treaty, there were 12 active during the International Geophysical Year. In fact, there were only 11.

Whatever your philosophy, you will find this book interesting, informative and attractive. The photographs are splendid and the conservation arguments, despite several unsubstantiated statements, are logically and succinctly presented. Pages 46-50, in particular, stimulate serious thinking. This is a short but useful reference book on Antarctic conservation.

Phillip Law

PRE-WINTER PRICES ON



-COUNTRY SLASHED AT

ajays
SNOW COUNTRY SPORTS

Ajays have forward ordered 1987's best skis, bindings, boots and poles at tremendous savings on new season's prices - and you can benefit!

LIGHT TOURING PACKAGE

Janvinen Lynx	
G+G Ski (51-48-50)	RRP \$149.00
Skilom Auto	
NNN Binding	RRP \$ 27.50
Alpina NNN 120 Boot	RRP \$ 82.00
Exel Touring Pole	RRP \$ 21.00
Total RRP \$279.50	
✗ SLASHED TO: \$219.00	
	(You save \$60.50)

SPORT SKI PACKAGE

Trak Seefeld Ski (50-47-49)	RRP \$199.00
Skilom Manual	
NNN Binding	RRP \$ 33.00
Alpina NNN 280 Boot	RRP \$105.00
Exel Altra Poles	RRP \$ 26.50
Total RRP \$363.50	
✗ SLASHED TO: \$259.00	
	(You save \$104.00)

GENERAL TOURING PACKAGE

Janvinen Viking	
G+G Ski (58-49-54)	RRP \$160.00
Skilom 415 75 mm	
Binding	RRP \$ 19.95
Alpina Trek Boot	RRP \$132.00
Exel Touring Pole	RRP \$ 21.00
Total RRP \$332.95	
✗ SLASHED TO: \$262.00	
	(You save \$70.95)

XCD/TELEMARK PACKAGE

Rossignol Telemark	
TMS AR Ski (63-54-58)	RRP \$290.00
Skilom 425 Telemark	
Binding	RRP \$ 55.00
Merrell XCD	
Telemark Boot	RRP \$179.00
Exel Touring Pole	RRP \$ 21.00
Total RRP \$545.00	
✗ SLASHED TO: \$445.00	
	(You save \$100.00)

Choose from our great range of skis from Fischer, Asnes, Kneissel, Karhu, Janvinen, Trak, Rossignol, Merrell, Alfa, Solomon, Alpina, etc. etc. Plus a huge range of rucksacks, tents, sleeping bags, clothing, crampons, ice tools, snowshoes and accessories suitable for ski-touring and general bush and mountain walking.

Mail order welcome. Send credit card details, cheque or money order. Add \$10.00 for delivery in Victoria, \$15.00 interstate.

ajays

SNOW COUNTRY SPORTS

115 Canterbury Rd.,
Heathmont (Sth. Ringwood)
Telephone 03 · 7204647

Reviews

Walking the Otways (Geelong Bushwalking Club, 1986, RRP \$6.00).

The forested ranges, valleys, waterfalls, and unspoiled coast of the Otways make one of the best walking areas in Victoria. The enterprising Geelong Bushwalking Club has done a splendid service for walkers by compiling a comprehensive guide to the area, much of it within Otway National Park.

Over 50 walks are grouped according to the six localities on which they are based; in addition, two 'grand tour' walks (of nine and ten days) are outlined. The walks are graded between easy and difficult.

Short introductory sections give basic advice and tell how to use the track notes. Each group of notes is prefaced by a locality map, brief description of the features, and access and special points to remember. The track notes are on the left-hand page and the planimetric map (various scales) opposite. This format, combined with the wide spiral binding, should make the book easy to use.

A summary of the route, maps required, general information, track notes, author, and date of survey are given for each walk. Readers are encouraged to use the tear-out page at the end to notify the club of any inaccurate information and suggested improvements. The cover is in colour; fair to good black-and-white photographs illustrate the text.

When the book is reprinted, the editors could well consider improving the accuracy and readability of several maps. All places mentioned in the notes should appear on the accompanying map. On the whole, the track notes seem to be adequate, although they are unadorned by any background information—a necessary sacrifice to maintain the practical format.

How has the club managed to set such a low price? Through advertisements, financial help from the Federation of Victorian Walking Clubs and the Department of Sport and Recreation, and a non-profit policy. Other clubs could well follow this example—an ordinary commercial publication would probably sell at twice the price. Send your cheque (postage is extra) to *Walking the Otways*, c/- Geelong Bushwalking Club Inc, PO Box 675, Geelong, Vic 3220. Highly recommended.

SB

Canoeing the Rivers and Lakes of New South Wales by Chris & Yvonne McLaughlin (Macstitle, 1986, RRP \$12.50, including post, to PO Box 78, Hampton, Vic 3188).

For a worn-out marathon paddler like me who has turned to canoe touring in his 'retirement', this book is most welcome and long overdue.

Canoeing Guide to Victoria was first published in 1971 and is now in its fifth edition. Anyone who has done much canoe touring, particularly on white water, knows that this publication is invaluable when heading off for trips on rivers not previously paddled. Chris and Yvonne McLaughlin, the authors of *Canoeing the Rivers and Lakes of New South Wales*, contributed a great deal to the Victorian book and this experience has been put to great use in producing the NSW book. Why it has taken so long for someone to publish a book such as this for touring paddlers in NSW, and why it was finally published by Victorians, I do not know. This question is particularly pertinent given the many excellent and diverse waterways in NSW.

The book gives basic introductory advice on safety and equipment, although this is obviously not designed to be comprehensive. The book's value is in its descriptions of rivers and lakes from a canoeist's point of view.

Canoeing the Rivers and Lakes of New South Wales is divided into 11 sections with descriptions of the rivers in each relevant geographical area: Richmond River Valley, Clarence River Section, North Coast, Hawkesbury River System, South Coast, Snowy River Valley (including the Victorian section of the Snowy), Barwon/Darling River System, Macquarie River Valley, Lachlan River Valley, Murrumbidgee River Valley, and the Murray River Valley.

Each river and lake is given a brief description, with attention given to the major rapids and hazards. Obviously a book such as this can only be a guide, as there is no substitute for paddling the river. But the guide is useful to help paddlers decide whether a river they have not paddled before is either within their capabilities or, alternatively, exciting enough. The guide, of course, includes lakes as well.

Although I have paddled only a few of the rivers and lakes described, the descriptions would be helpful to anyone heading off on a trip to one of them. No doubt there are some omissions (such as the best section of the Gobarragandra River) but the book is a step in the right direction and obviously the result of many years' compilation.

The division of waterways into areas rather than simply alphabetical order is good (an index is given at the back), but the book would be improved by more ordered layout and information. It is often difficult to work out the best levels at which to paddle a river, and the distances involved. The book needs a 'river level summary', which lists the minimum, best and maximum levels for paddling rivers, and the location of the relevant gauge. It would be useful to have regional maps at the beginning of each section, and a summary of river particulars and other information (such as suitable river heights, maximum grade, distance, paddling time, relevant map and so on) as in *Paddle About Tasmania*.

This book is a 'must' for anyone intending to do much touring paddling in NSW, and the authors are to be congratulated.

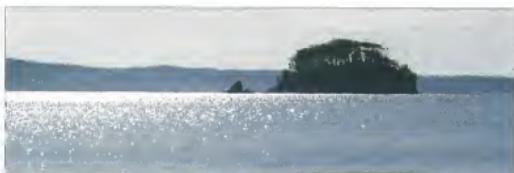
James Sloan

The Slater Field Guide to Australian Birds by Peter, Pat & Raoul Slater (Lansdowne-Rigby, 1986, RRP \$29.95).

Peter Slater's was the first of the comprehensive field guides to Australian birds. In two volumes, it was cumbersome; one always seemed to be carrying the wrong volume when a difficult bird was seen, and many of the paintings were crude and wooden. Not so its successor. The Slater family has produced an entirely new book. Every plate has been redone and, with so much practice, the standard of Peter's painting has improved enormously. Pat's text is more detailed than in the paired volumes, although the distribution described in words sometimes differs from that shown on Raoul's maps.

Long and thin, the book is designed to fit into a genuine pocket, while tough binding prevents the birds escaping on a windy day. The size of the book, quality of the paintings, and tight

It is said this country
has a heartbeat
If you listen very carefully
you can hear it
You will know –
when the moment is right



AF AUTO FOCUS
FAP FOCUS AID PROGRAM
MF MANUAL FOCUS

SIGMA CORPORATION, TOKYO JAPAN 201

KL4116726

For details of the
complete SIGMA range,
write to: P.O. Box 342,
Nth Ryde 2113

Bring it back with **SIGMA**

DISTRIBUTED BY  **Kodak**



We know about
cross-country
skis

Drop in some time

NEOPAK PTY LTD

74 Clarence St, Sydney, NSW 2000, Ph (02) 29 7792

Should I pack my camel?

Find the answers in **Lonely Planet**
guidebooks for India, Asia, Africa,
the Middle East, the Americas,
Australia and the Pacific.



Write to **Lonely Planet**, PO Box 88,
Sth Yarra 3141 for a free booklist.

organization make it the most utilitarian of currently available field guides.

Stephen Garnett

Tasmania's Rainforests (The Wilderness Society, 1986, RRP \$11.95).

Tasmania's magnificent, primeval forests are facing dire threats to their very existence. A strong and constant voice for their preservation

stunning. Sadly Morcombe did not again make photography the theme of this book, as he has of his many others. His artistry has been deviated by his ambition to produce something more substantial.

While searching for subjects, the author learnt where to find Australian birds. The idea of putting that information in a book was a good one, and the part of the book where he



Fishbone water fern. Photo by Dennis Harding, reproduced from *Tasmania's Rainforests*.

against rampant commercial exploitation, the Wilderness Society has published this beautiful reminder of what is at stake. Tasmania's Rainforests should appeal to the heart and conscience of every Australian bushwalker.

A slim (60-page) soft-bound publication, *Tasmania's Rainforests* is a high-quality, A4-size book largely comprising superb colour photos of Tasmanian forest scenes. The brief text describes the different rainforest regions of Tasmania, and strongly indentifies the alarmingly varied plethora of threats to their natural beauty.

For its price, *Tasmania's Rainforests* is an excellent buy, and as proceeds from its sales go to the campaign to save Tasmania's forests, by buying this book you will also be buying something priceless.

Chris Baxter

The Great Australian Birdfinder by Michael Morcombe (Landsdowne-Rigby, 1986, RRP \$59.95).

Michael Morcombe is a superb photographer of wildlife. His extraordinary pictures of a rufous scrub-bird in full song, reproduced twice in this book, remain classics many years after they were taken, and included here are many other full-page portraits of birds which are equally

describes ornithological foci is indeed useful. The remaining 80% adds nothing but price. The second half of the book, describing every species, is particularly superfluous, being covered so much more comprehensively by the many other bird guides on the market. And he should never have attempted to illustrate every species. To do this he has used many photographic failures and a set of very unhappy paintings. The amount of work in the book is prodigious, but a shorter version including only the portraits and the places to watch birds would have been so much more useful.

SG

Ferns and Allied Plants of Victoria, Tasmania and South Australia by Betty Duncan & Golda Isaac (Melbourne University Press, 1986, RRP \$25).

Do you remember where the elves used to live, the cleft of sheltered greenery on the dry hillside, or the corner of the old quarry where you once rode your bicycle? They were places dappled in mystery and fairy-tales, enchanted by the spells of sleeping water and soft fern fronds.

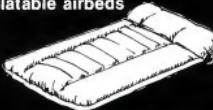
Whether you have such memories or not, ferns have pleasant associations for most people in this dry country. Certainly they are in fashion, and this comprehensive guide to the ferns of south-eastern Australia meets a long-felt need. It is a technical book, severely factual,

The Original - The Best



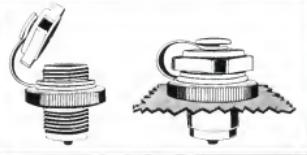
GO CAMPING GO LI-LO

The world's best-known
inflatable airbeds



THERE'S ONLY ONE LI-LO AIRBED ASK FOR IT BY NAME

NEW FAST INFLATE/DEFLATE VALVE. LI-LO have successfully used this fast inflate/deflate valve in inflatable boats for years. Now every fabric airbed has this time-saving feature. The valve has two parts. It is important to ensure that the base is securely screwed into the fitting on the airbed. Place the loop round the fitting to secure against loss. The airbed can be inflated by hand- or foot-pump (with the special adaptor nozzle provided), or by mouth (with or without the adaptor). The rubber diaphragm prevents air leakage. Screw on the cap when fully inflated. To deflate, unscrew the entire base fitting. Care should be taken to avoid stripping the threads—a little Vaseline smeared on them before fitting is helpful.



**BEWARE OF IMITATIONS. ONLY LI-LO AIRBEDS ARE
BRANDED WITH THE LI-LO NAME. QUALITY GUARANTEED**

Distributed throughout Australia by Overseas Indents Ltd. Licensed by LI-LO, a division of Jackel International Pty Ltd, Sefton NSW 2162

Elk Expeditions



Challenging adventure week-ends.

- Abseiling
- Canyoning
- Caving
- Compass navigation walks
- White water canoeing

Write to or ring Mick for more details, information, and brochures. 87 Greenbank Drive, Werrington Downs, NSW 2750. (047) 30 3503

KAKADU

And lots more too. Get off the beaten track and explore one of the last great wilderness areas in the world. Rugged escarpment, Aboriginal art sites, waterfalls galore, crystal clear pools just right for swimming and more.

ARE YOU REASONABLY FIT? If so and if you have some bushwalking experience, why not see a unique part of Australia that can be reached only on foot? Walks range from 2 days to 3 weeks.

For details of the 1987 programme, write to: **Willis's Walkabouts** 12 Carrington Street, Millner (Darwin) NT 5792. Prices are more than reasonable.

Torre

Where quality and
service are more
than just words.



If you're really
serious about custom
down and synthetic sleeping
bags, packs, tents, cookware,
clothing, boots and climbing
hardware—in fact
all your specialist
needs... there's no
compromising.

(mail order or direct)

10/600 Sherwood Road, Sherwood Qld 4075 Ph (07) 379 5549. AH (07) 271 1926

TREKS & EXPEDITION SERVICES NEPAL

- Private & group custom-planned treks & expeditions to Nepal Himal • Full camping treks • The house (lodge) accommodation treks • Climbing expeditions • White water rafting • Fully inclusive Nepalese holidays • Expert advice and assistance for your own treks

Australian agents: New South Wales and Victoria John Kraske, Binalong Trekking, Old Coach Road, Montrose 3765. Western Australia Brian and Helen Lever, Mandala Expeditions, Dairy Lodge, 32 Dairy Road, Darlington 6070. Tasmania Chris Patterson, Paddy Fallon Adventure Travel, 28 Criterion Street, Hobart 7000.

For details and brochure, please contact: **MIKE CHENAY** or **RENCHIN YONJAN** Treks & Expedition Services (P) Ltd, Corner House, Kamal Pokhari, Post Box 3067, Kathmandu, Nepal. Phone 41 2231. Cable CHENAY. Telex 2417 Pressi NP

QUESTION:

Which brand of **SLEEPING BAG**

features:
colourful,
lightweight Taffeta
fabrics; premium-
grade white
superdown; 3-D
draught tube;
collar draught
tube; taped YKK
zipper; tuck
stitching; relocated
chest draw-cord;
efficient box-wall
construction;
anatomical shape;
12 models to
choose from; first-
class machining;
and is made in
Australia?

ANSWER:

MONT MONT

Trade enquiries only, to PO Box 995, Queanbeyan, NSW 2620

QUESTION:

Which brand of **RAIN JACKET**

features:
dry oily parka
cloth; long cut;
chest map-pocket
with zip; two large
cargo pockets; full
storm-cape;
3-piece hood with
visor; hood and
waist draw-cord;
two-way YKK
zipper; 3 colours;
5 sizes; Fastex
press studs; storm
cuffs; and is made
in Australia?

ANSWER:

but will undoubtedly increase understanding of the 120 or so species of ferns and their allies found in the area. You will now be able to tell whether your childhood grotto was occupied by filmy maidenhairs or prickly rasp-ferns.

Sadly not all species are accompanied by maps, for fear that rarer species could be exterminated from the wild by over-collecting if their location was given too precisely.

SG

Native Plants of the Sydney Region by Margaret Baker, Robin Corrington & Jill Dark (Three Sisters, 1986, RRP \$8.50).

Pressed by destinations, hungering for horizons, many bushwalkers notice plants only when arrested by the spectacular. The Sydney region is blessed by many such plants. Stunning though the views may be, it is hard to raise more than an amble through the springtime heath as one plant after another halts your progress.

Most of them are illustrated and entertainingly described in this guide, which comes from the same stable as the guides to plants of the upper and lower Blue Mountains. The book is not comprehensive, but definitive identification is beyond its scope. Few bushwalkers wish to wrestle with dichotomous keys or huddle in the herbarium; all they want is a name. To name a plant, even if incorrectly, is to appreciate its difference from its fellows—part of a wider understanding of the diversity of the life we are privileged to experience. This guide, like its predecessors, fosters that understanding.

SG

50 Walks in the Grampians by Tyrone Thomas (Hill of Content, third edition 1986, RRP \$8.95).

Apart from the cover, the main change in this latest edition of Thomas's classic guide to walking in Victoria's Grampians is that all the maps are new—an effective and sorely-needed change.

Whilst Thomas or his book designers are never likely to take literary or graphic design circles by storm, he clearly knows the Grampians inside-out and has produced the most useful book of its kind.

CB

Classic Rock Climbs in Great Britain by Bill Birkett (Oxford Illustrated Press, 1986).

The idea of a glossy 'selected climbs' book to the UK has been done before and done much better. Described on the cover as 'no 1 in a "classic walks series", *Classic Rock Climbs in Great Britain*' does British rockclimbing, the pleasures of which are esoteric enough at the best of times, a disservice. There is not a single good photograph, both the text and book design are dull, and the choice of climbs is downright quirky. In the interests of conservation of trees, let us hope this book is both the first and last of the proposed 'classic walks series'.

CB

Other Titles Received

Murder at the 14th Control by Wilf Holloway (Orienteering Service of Australia, 1986, \$9.95).
Starfish Wars by Robert Raymond (Macmillan, 1986, RRP \$24.95).

Publications for possible review are welcome. Send them to the Editor, Wild, PO Box 415, Prahran, Victoria 3181.

As more and more women become actively engaged in the outdoor field, specialist activities such as walking, climbing and mountaineering are no longer predominantly male pursuits.

Because gear has always been designed for men, women have become accustomed to using the smaller sizes available, accepting the inevitable, and occasional, discomfort. Until now.

Acknowledging this unsatisfactory situation, the Berghaus design team has developed a unique range of technically outstanding equipment specifically for women - the Lady Pulsar rucksac and TRIONIC Lady footwear - supplementing the universal popularity of Polarplus clothing.

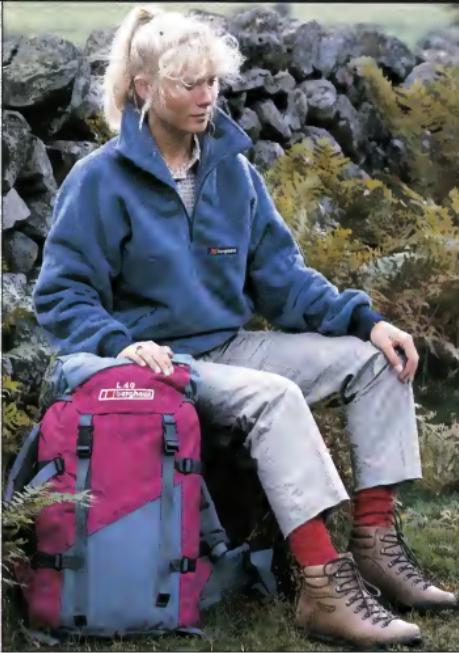
Lady Pulsar

The Lady Pulsar range of medium sized rucksacs, with capacities of 40 to 55 litres, differs from conventional models in the use of tailored shoulder straps and a scalloped hip belt, both of which are specially designed for the female form.

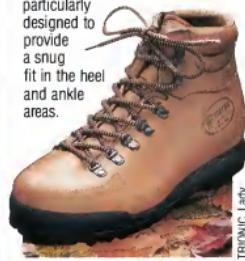
Manufactured in tough Ardura 1000, the Lady Pulsars incorporate a high grade aluminium frame.

Encased in webbing for added strength, and covered in ADVENTA - a remarkable new body contact material, it has the effect of transferring the weight through the rucksac from the shoulders to the hips while maintaining the rucksac's anatomical shape.

Designed with a slight flare at the base to lift the bulk of the sac away from the buttock area, the anatomic



removable footbed. However, it is made on a special narrow last particularly designed to provide a snug fit in the heel and ankle areas.



TRIONIC Lady

Polarplus™

Berghaus Polarplus™ clothing - active leisure wear that looks good, feels good and performs. A range of four garments in a choice of seven colours manufactured from the very latest in fabric development from Malden. It is a luxuriously soft, double-faced velour pile that contains nearly all the advantages of other pile fabrics, but with few of their faults. When a fabric with such outstanding performance characteristics is combined with Berghaus manufacturing quality and design expertise, a stunning range of clothing is assured.



Polarplus Smock

EQUALITY EQUIPMENT

frame allows greater freedom of movement without loss of stability.

With varying specification,

and a choice of capacities and colours there is a Lady Pulsar to suit every outdoor requirement.

TRIONIC Lady

The spectacularly successful SCARPA range of TRIONIC footwear includes a special model designed specifically to meet the needs of the lady walker. Probably the most technically advanced range of walking boots in the world, TRIONIC incorporates many unique features, and has constantly led the way with the introduction of innovative materials and constructional techniques.

The "Lady" shares all the same basic characteristics as the rest of the COMFORT FLEX TRIONIC Range - blake sewn moulded nylon midsole; Skywalk® Trionic Sole with Yeti gaiter fitting facility and Safety Grip Heel®, HS12 Calf leather upper; Cambrelle® lining;

A NEW full colour catalogue is now available showing the whole range of Berghaus technical equipment and clothing. For your personal copy write to:



Outdoor Agencies Pty Ltd,
Unit 14F, Hordern Place,
Camperdown, NSW 2050,
Australia

 **berghaus**

Berghaus Limited,
34 Dean Street,
Newcastle upon Tyne, NE1 1PG,
England.



Lady Pulsar

Haute Couture

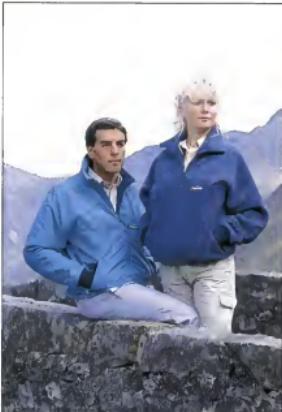
Fashion in high places

Equipment

● **Berghaus Boutique.** Women designers at Berghaus are making their presence felt. The new Berghaus Pulsar range of medium-size packs includes three Lady Pulsar models.

Lady Pulsar shoulder-straps, hip-belts, and flared frame staves are tailored to suit women. Lady Pulsar packs have fixed back lengths and 40, 45 and 55 litre sizes. The Lady Pulsar 55BC has two main compartments with a curved zip access to the bottom compartment. RRP between \$97.50 and \$129.80 at Paddy Pallin shops.

● **Two-faced.** Polarplus is a fine-denier double-faced polyester-velour pile. Polarplus is soft, pill-resistant, stretchable, and it absorbs little water and dries quickly.



Berghaus Polarplus reversible jacket, left, and Polarplus smock.

The Berghaus Polarplus jacket has a zip front closure and pockets, and comes in a choice of seven colours and five sizes. RRP \$198 at Paddy Pallin shops.

The Berghaus Polarplus reversible jacket has a porous polyester-cotton shell which can be worn inside or out. There are four colour combinations and five sizes. RRP \$299 at Paddy Pallin shops.

● **Lady Daintree.** The Paddy Pallin Daintree jacket is made from proofed polyester-cotton and has been tailored to fit the female form! The Daintree has a shorter body and sleeves,

shaped and pleated waist with draw-cord, Velcro wrist closure, and front zip closure with studded flap. The removable peaked cape-hood covers the shoulders and can be stowed in any of the three pockets. The Daintree is available in three sizes and two colours; red and a pleasing teal green (turquoise). The medium size jacket weighs 625 grams. RRP \$119 at Paddy Pallin shops.

● **In Stride.** The new Paddy Pallin Gore-Tex overpants have an elasticized waist with an adjustable draw-cord back-band. Ankle-to-knee zips enable the overpants to be pulled on over boots, and seal with a stud and Velcro flap. RRP \$139 at Paddy Pallin shops.

● **Darting into the Fray.** Berghaus Dart day packs have double-sewn and bound seams, contoured shoulder straps, a variety of pocket configurations, trendy colour schemes, and very snug-fitting lids. Eighteen, 20 and 30 litre Dart day packs cost between RRP \$39.95 and \$59.80 at Paddy Pallin shops.

● **Stage Two.** The new Outgear Kakadu rucksack adjustable harness is currently the subject of a registered design application. The Kakadu shoulder straps individually buckle to a web ladder.

The 12-ounce proofed-canvas body has an abrasion-resistant double-nylon base, full-length canvas throat with draw-cord, extendable lid with weatherproof pocket, side compression straps, D-ring accessory attachment points (side pockets are optional), and a large front pocket. Seams are bound twice and double-sewn.

The 50 litre Kakadu is available in short and medium back lengths, and the 70 litre size in medium and long back lengths. RRP \$210.

● **Eureka! Stockade.** Budget Stockade tents from Eureka! are for walkers with more dash than cash. The Alder Brook (twin crossed-hoop wedge, RRP \$189), popular Caddis (three-hoop tunnel, RRP \$255), and Wind River (four-hoop geodesic dome, RRP \$275) are now only available as Stockade economy models.

They have shock-corded hollow fibreglass hoops, and polyurethane-coated nylon taffeta floors and flys. The Alder Brook and Caddis both have two doors. Stockade tents do not have tape-sealed seams, or ultra-violet-resistant, colour-fast and two-metre water-column tested proofed nylon fabrics common to the standard Eureka! tents.

● **Pointers.** New Suunto compasses available in Australia include the TK-1, a rubber-bodied capsule on a lanyard. RRP \$17. The TK-3 has a magnifying lens moulded into the clear plastic

compass base-plate, which slips into a protective leather cover. RRP \$19.50. The mirror inside the MC-1 model's hinged protective lid is used for making accurate bearings. The MC-1 also has magnetic declination adjustment (to



Berghaus Lady Pulsar 55BC.

compensate for variations in the earth's magnetic field), an inclinometer for estimating gradients and relative elevation, and a lanyard. RRP \$50.

● **Stoke Love.** The Optimus 85 Love combines a large capacity kerosene stove with a light comprehensive cookset. Kerosene is a cheap, efficient and controllable fuel which is easily obtained in developing countries. The integrated tank and burner can boil a litre of water in four and a half minutes, and burns for over 70 minutes before requiring refuelling. An insulated

'Quest' for the best



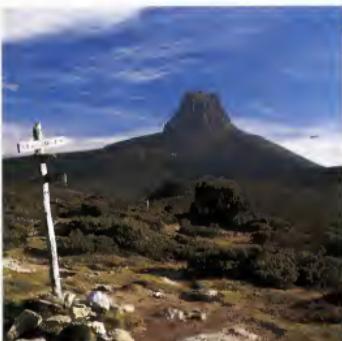
Quest rucksacks, simply the best for
lightweight backpacking and climbing

Superb materials and meticulous construction make WILD COUNTRY sacs the finest choice for those who need reliable performance in any conditions. Just one feature of these packs is the unique dorsal hinge back support with 15mm high density closed cell foam padding combined with a superb curved cut, to give you truly outstanding comfort.



WILD COUNTRY

Available through Mountain Designs Australia stores and other selected stockists.



Cradle Mountain/Lake St. Clair National Park

• Copyright Tasmanian Department of Tourism 1987

“Walk on the Wild Side- Tasmania”

When you really want to “walk on the wild side” Tasmania’s got it!



Wild water rafting and canoeing through breathtaking rapids and ice clear rivers. Climb wilderness peaks amidst rugged mountain

grandeur, trek wilderness trails and explore virgin bush almost untouched by man. Trout fish inland lakes unsurpassed in the Southern hemisphere or scuba dive in coastal waterways

that abound in sealife of every description.

Whatever your adventure we've got it with facilities and services to match your budget and preferences.

Contact the adventure travel specialists –

Tasbureau

MELBOURNE 256 Collins Street.

Phone (03) 653 7999

SYDNEY 129 King Street. Phone (02) 233 2500

BRISBANE 217-219 Queen Street. Phone (07) 221 2744

ADELAIDE 32 King William Street. Phone (08) 211 7411

CANBERRA 5 Canberra Savings Centre, City Walk.

Phone (062) 470 070

PERTH 100 William Street

Phone (09) 321 2633

or your local Travel Agent.

8668 Wild

Walk on the Wild Side
in Tasmania.



Tasmania.
Be tempted.

Made by Australians, for Australians Australian made and Australian tested. At last, *bomproo* boots made to international standards for Australian conditions. Bunyip quality rivals the best from Europe. Bunyips are made to last. No short cuts, no nonsense. **Leather is Best** Leather-lined, full-grain leather uppers, thoroughly impregnated with a water-repellent. We know leather inside-out, only the best becomes a Bunyip. **Insoles with a Memory** Unique, friendly full-grain leather insoles mould to fit your feet. Steel shanks ensure that Bunyip boots flex where your feet flex. Plastic footbeds cradle your feet. All boots should be this comfortable. **Australian Feet First** World-class boots built on wide, high-instep Australian lasts (sizes 36 to 48). Bunyips are an indispensable part of Australian bush lore. Itching to get into a pair? You'll find Bunyips at Mountain Designs, Paddy Pallin, Sam Bear, and Scout Outdoor Centres.

Bunyip Boot Company, 316 Hodder Street, Abbotsford, Victoria 3067. Phone (03) 417 6092. Telex AA 31348

Kimberley

Leather-lined, full-grain leather upper and insole, stitched construction, eye and hook lacing. Pair size 42: 1,200 grams

Flinders

Leather-lined, single-piece full-grain leather upper and insole, wire fairstitch construction, Greenland traditional lug sole, D-ring lacing. Pair size 42: 1,620 grams

Bogong

Leather-lined, single-piece full-grain leather upper and insole, wire fairstitch construction, Vibram Skywalk sole (compatible with Trionic-style gaiters), D-ring lacing. Pair size 42: 1,280 grams

Grey Mare

Leather-lined, single-piece full-grain leather upper and insole, wire fairstitch construction, Vibram Nordic Norm sole, D-ring lacing. Pair size 42: 1,500 grams

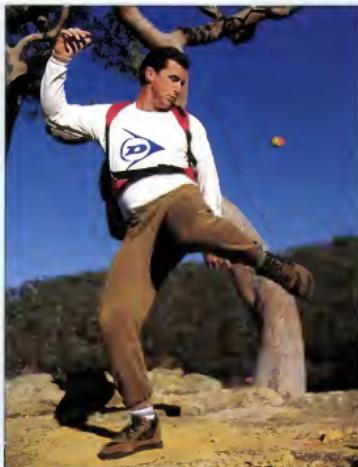
Bunyip Boots



HACKY SACK



You never know where it may lead...



Stockists:

Paddy Pallin, Southern Cross, Mountain Designs, Cargills, Carry on Camping, and all good outdoor stores

Trade enquires:
Wallaby G Promotions Pty Ltd, (02) 449 5852

Mail Orders welcome:
Send \$9.95 (includes postage and handling) to Wallaby G Promotions Pty Ltd, PO Box 177, Pymble, NSW 2073



knob on the end of a shaft adjusts the heat output and operates the self-cleaning jet.

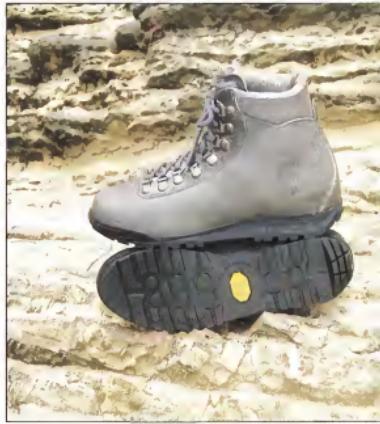
The cookset is composed of two pots, a pan/lid, grip, packing strap, and windshields. The Loke weighs 4.2 kilograms and measures 22 centimetres across and 10 centimetres deep when packed. RRP \$200.

• **Dreaming I Suppose...** Because of its modest size, the Australian walking community has failed to stimulate a progressive local specialist footwear industry. The spiralling cost of European walking boots however is breathing life into the Australian industry. A third-generation Australian leather merchant has turned its attention to bushwalkers' needs with impressive results.

Bunyip boots are leather-lined and feature sturdy full-grain leather uppers and insoles. The insole is the heart of a boot, to which the upper and sole are attached. A leather insole is more malleable than the more common plastic insoles, and conforms to the shape of your feet.

The stitch-down style *Bunyip Kimberley* has eye- and hook-lacing; a size 42 pair weighs 1.2 kilograms and costs about \$120.

The fair-stitch style *Bunyip Flinders* has a handsome single-piece upper, traditional lug sole, and D-ring lacing. A pair weighs 1.62 kilograms and costs about \$180. Sharing the same single-piece upper, the *Bunyip Bogong* has a Vibram Skywalk sole which accepts



Bunyip Bogong boots.

Trionic gaiters. A pair weighs 1.28 kilograms and also costs about \$180. The Bogong is the first locally made Scarpa-style cement-bonded boot for serious walking.

The fair-stitch style *Bunyip Grey Mare* is the first Australian ski touring boot and will be available this winter. The Grey Mare has a single-piece upper, and D-ring lacing. A pair weighs 1.5 kilograms and costs about \$200.

• **Run and Hide. Dehydrated meals** are making a comeback! Giant Trees Foods in Murrumbeena, Melbourne, offers seven meal

The Lowe Label

Symbol of the Rucksack Revolution



Engineered
for Comfort



When you buy a Lowe product, you are buying the result of years of research, development and revolutionary design. Conceived by Greg Lowe and his team, this combination of advanced technology and innovation has led to the production of rucksacks providing comfort, fit and control with the unique **Torso Trac** and **Paralux** Suspension Systems.

Like Lowe, you can be out there — setting the pace.



For further information on the extensive Lowe range, please contact:

DB Biggs Pty Ltd
253 Sussex Street, Sydney, NSW
Telephone: (02) 29 1467 or 290 1687
Telex: (071) 26586

macpac

flows with your body

Equipment



When you walk, your back hinges at the waist and moves independently of your hips. On other harness systems, the hipbelt is rigidly attached to the pack, severely restricting your natural body movement.

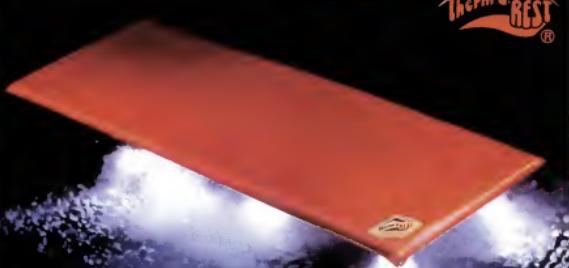
The unique MACPAC

hipbelt is centrally pivoted, so it sits perfectly still on your hips, freely bearing weight, while the pack sits snugly on your back, following its every move.

Unrestricted movement... Maximum comfort.



TOMORROW'S MATTRESS HERE TODAY!



• TODAY •

Light, compact camping • Self-inflating ease for a soft landing **TONIGHT** • Self-adjusting support whatever your position • Smooth surface for maximum sleeping comfort • Bonded urethane foam core for superior warmth on the coldest night • **TOMORROW** • Rugged and reliable backed by a two year warranty. Choose Therm-a-Rest Standard, Ultra Lite or Camp Rest sizes. Be fresh and ready for a great day. Made in U.S.A.

Grant Minervini Agencies Pty Ltd.
PO Box 209 Welland South Australia 5007, phone (08) 46 6061

© 1985 Cascade Designs Inc.

varieties, including three vegetarian, in single-serve packets: chilli, curried and Hawaiian beef, Aussie stew, and curried, oriental, and traditional vegetarian dishes. The recipes are relatively imaginative and seasoning generous.

The plastic pouches seem adequate, though a little frail.

Soaking an evening meal all day while you walk will enhance reconstitution. Why not start soaking the previous evening?

Each sachet weighs 125 grams and costs between RRP \$3.90 and \$4.70.

• **Strain.** Often mountain streams are not as pristine as they appear. Australians are lucky; we are not used to approaching remote watercourses with the caution warranted overseas. An alternative to carrying safe water with you is treating the water you find. Adding chlorine or iodine will kill most micro-organisms but is distasteful, and the effectiveness subject to many variables. Rather than adding anything to the water, removing contamination by filtration is appealing.

Once only possible in the laboratory, convenient micro-filtration in the field is now a reality. The Swiss Katadyn pocket filter pumps a litre of water through 0.2 micron pores in 90 seconds. (A micron is one thousandth of a millimetre.) The ceramic filter is impregnated with silver to prevent the growth of bacteria. Micro-organisms larger than 0.2 micron are removed, safeguarding against amoebic and shigella dysentries, bacterial diarrhoea, bilharzia, cholera, giardia, liver fluke, parasites and typhoid. Even very murky water can be transformed.

The Katadyn pocket filter pump weighs only 650 grams and comes with a storage pouch, cleaning brush, and a hose with intake strainer. RRP \$328.

Katadyn filters (portable and domestic) are supplied to UNICEF agencies, armies, adventure travel organizations, and expeditions around the world, and are available in Australia from Katadyn Products, 29 Stewart Street, Wollongong, NSW 2500. (042) 27 2473.

• **Strapless.** Cassin 200C Step-in 12-point crampons are made from tempered nickel-chrome-molybdenum, and like other strapless



Cassin 200C step-in crampons.

crampons are designed for use with rigid-soled boots with generous welts. A pair weighs only 880 grams and costs \$135.

• **Up Tight.** From Spelean, comes the latest in inhibiting leg wear for rock athletes; made for climbers by cavers (sounds like a goblin conspiracy). Spelean Uptights feature fluorescent two-way stretch Lycra, stretch-stitched and overlocked seams (reinforced at the crutch), flat non-rolling elastic waist, and dynamic and bizarre designs. Never let it be said that rock climbers are self-conscious. RRP \$44.95.

macpac

— loves the rain —



Don't let the rain spoil your fun. MACPAC makes the most waterproof rucksacs around.

The secret is AzTec, a specialised pack fabric designed to satisfy MACPAC'S unique demands for weather proofness and durability.

AzTec is a tightly woven blend of polyester and cotton, treated with a highly effective waterproofing solution. This solution is absorbed right into the fabric, creating a degree of waterproofness that other pack fabrics cannot match.



RAGING THUNDER

WHITE-WATER RAFTING PIONEERS IN TROPICAL FAR NORTH QUEENSLAND RAINFORESTS

Tully River

One-day trips to the Tully Gorge. A good introduction to white-water rafting. The Tully River is a venue for the Australian White Water Slalom Championships.

Barron River

Three-hour trips from the Barron Power Station through the rapids into Lake Placid.

North Johnstone River

Two-day helicopter access camping trip. A true wilderness package combining magnificent rapids on a large-volume river in virgin rainforest.

Islands in the Sun

Seven days spent sea kayaking amongst Australia's most beautiful tropical islands. Suitable for beginners.



RAGING THUNDER

67 Grator Street,
Cairns Qld 4870
Phone (070) 51 4911,
(070) 53 6010 ah

FROM THE EXCITING TO THE OUTRAGEOUS

Smiths
SKINNY SKIS

WANTED

XC SKI INSTRUCTOR

Smiths Skinny Skis of Mt St Gwinear are looking for a motivated ASF cross country ski instructor to join our small, progressive company for winter '87. This is a full-time position to head our ski school based on Mt St Gwinear. Further enquiries welcome, please phone Ross or Nev Smith on (051) 22 1718. Applications, stating personal details, qualifications, experience, and references to: The Managing Director, Smiths Skinny Skis, PO Box 196, Churchill, Victoria 3842.

Let nature restore you

Outdoor Adventures offers small group camping and accommodated holidays to the most spectacular National Parks and wilderness regions of Queensland and New South Wales.

You can walk through lush rainforest, 4WD to Cape York or Fraser Island, island hop on the Barrier Reef or go white-water canoeing, scuba diving, sailing, backpacking, mountain climbing and abseiling.

No matter what adventure you choose, our personalized service ensures comfort, local knowledge and nutritious meals often around open camp fires (vegetarians catered for).

For your brochure contact:
Ross Thompson
Outdoor Adventures

1 Murrage Street
Jindalee Brisbane
Qld 4074
(07) 376 4589



Australian Rock 1987

The 1987 edition of Australia's climbing magazine (including a guidebook to Sydney and its infamous sea cliffs, and descriptions of almost 200 new routes at Mt Arapiles) is now available, for \$4.95, at specialist outdoor shops, or direct from the publisher.

Rock 1985 and *1986* are also available for \$4.95 each. Use the order form in this issue to tell us what you want!

Ascenders

A Wild mini-survey to get you aloft

Equipment

• **Tools For the Ascent of Man.** Ascending a rope with camming devices that grip the rope is common practice in caves and on cliffs. But how safe are ascenders?

Recent tests performed at a National Association of Testing Authorities (NATA) registered facility in Sydney indicate that the strength of ascenders on the Australian market varies significantly. Jumar, Kong, Petzl, and long-bodied CMI and SRT ascenders were tested.

For speleologists, ascenders make long vertical ascents immeasurably easier than the now old-fashioned method of climbing a steel wire ladder. Rockclimbers use ascenders when following a leader on artificial climbs, and while back-roping—that is, using an ascender as a sliding belay to protect them when climbing alone.

While an ascender may only ever have to take the static weight of one person, unforeseen circumstances could mean that the ascender has to take a lot more strain. This is especially the case if a back-roping climber falls any distance, or if the ascender is to be used in a rescue operation.

Testing (with 11 millimetre Edelrid static rope) was carried out at A Noble & Son Ltd's NATA-registered test facility at Silverwater in Sydney. Figures given show the force under which the ascender failed to hold the rope. The New South Wales Department of Labour and Industry requires equipment for carrying people on lifts and aerial ropeways to bear a load at least ten times greater than the safe working load. If

had slipped to the other side of the cam it would also have been released.

The Swiss Jumar and the Australian-made Single Rope Technique (SRT) ascenders performed similarly. Both cut the rope sheath; the Jumar at 7.7 kilonewtons, and the SRT at 7.8 kilonewtons. Neither displayed visible distortion of the cam enclosure, and neither allowed the rope to slip. Re-designing the trailing edge of the cams might allow further tests to better indicate the real strength of these two ascenders, because neither had reached the point of mechanical failure. It appeared to be the sharp angle of the cam's trailing edge which caused the sheath to be cut.

Tests were also performed on the body strength of the three strongest ascenders, involving attachment at the top and bottom eye-holes provided. All failed at the top eye-holes. The Jumar probably failed earlier because it is cast rather than extruded and milled like the SRT and CMI products. Extruded aluminium tends to stretch before breaking. The ascending test showed that body strength is not a factor affecting the Jumar's strength in normal use, but they should probably be discarded or treated with caution if they are dropped any distance.

Under normal conditions, an ascender used to climb a rope only has to support about 75 kilograms, the weight of an average male. The

tests were halted at 100 kilograms so that the ascenders could be examined to ensure that no problems are likely to occur under normal operating conditions. All passed this examination, so do not panic if you already have a model that has been less successful in these tests. It probably will not let you down, but do not overload it. If you are back-roping, use the best, or use a friction device specifically designed for back-roping.

Ropes should be hung from multiple-point anchors and protected from possible abrasion before being ascended. Always tie the rope being climbed to your harness (or even have someone belay you with an additional rope), making sure that the ascenders are never your only grip on 'the thread of life'. Periodically re-attach yourself to the rope to reduce the distance you would fall in the event of an accident. Ascender accidents usually occur while the ascenders are being engaged or disengaged from the rope. Be particularly cautious when ascending diagonally or negotiating a horizontally rigged rope.

Lyle Closs

New products (on loan to Wild), and/or information about them, including colour slides, are welcomed for possible review in this department. Written items should be typed, include recommended retail prices, and preferably not exceed 200 words. Send items to the Editor, Wild, PO Box 415, Prahran, Victoria 3181.

Ascenders

	Load at which held on 11 mm static rope failed, kilograms	Comments	NSW DLJ safe working load*, kilograms
Kong	440 kg	Cam enclosure distorted, rope jammed	—
Petzl	500	Cam enclosure distorted, rope allowed to slip	—
CMI	580	Cam enclosure distorted, rope released	1,560 kg
Jumar	770	Rope sheath cut through, rope held	1,080
SRT	780	Rope sheath cut through, rope held	2,040

*Using NSW DLJ ratio for equipment-carrying humans: one-tenth of maximum load. Ascenders can be loaded beyond this point without problems.

similar standards were applied to ascenders, only a few of the available models would be left on the shelf.

Distortion of the section of the body enclosing the cam and the rope was the main problem with the three ascenders that failed to maintain a grip on the rope. Under stress this section bent outwards, enabling the rope to slip and, in the case of the CMI ascender, to slip out of the ascender altogether.

The Kong ascender had let the rope slip from the face of the cam to between the side of the cam and the body of the ascender. If the rope

When there is no second chance...



SRT single- (400 gm) and double-rope (480 gm) **Ascenders** self-arrest under body-weight yet give precise, finger-tip control of rate of descent and don't twist ropes. Crafted from stainless steel and hardened aluminium, they are designed for 6 to 13 mm ropes and are ideal for vertical caving and abseiling.

SRT Ascenders for vertical caving and big wall climbing are available with short (420 gm/pair) or long (500 gm/pair) extruded aluminium bodies with a baked enamel finish. The stainless steel cam and safety catch prevents accidental release of rope (from 7 to 13 mm) but can be engaged and disengaged single-handed.

Single Rope Technique Equipment

54 Blackshaw Avenue, Mortdale NSW 2223, Australia, phone (02) 57 6420 Wholesale, retail, and world-wide mail order — write for free catalogue Manufacturers and retailers of the world's finest adventure hardware

macpac

—designed for the— toughest conditions



Australia and New Zealand are amongst the toughest environments in the world. Our vast wilderness areas range from rugged mountains to tropical rainforests. This extreme range of conditions is as unique as our combination of outdoor pursuits. So to be effective, the equipment we use needs to be designed for our own environment.

Most international brands are designed for less

strenuous environments in Europe and America. Mostly, they're too small, not weatherproof, even made in Asia.

Because MACPAC lives right here, their equipment is specifically designed and manufactured for our conditions. As a result, MACPAC is more comfortable, more waterproof and tougher than any other rucksac you'll find anywhere.

Photo: Rod Turner NSW



SEW THEM YOURSELF AND SAVE



Sizes from 2 years to adult
Write for information to
OUTDOOR WEAR
PO Box 1439, Woden 2606

BUSHWALKING TREKKING NORDIC SKIING

shop at 68 Whitehorse Road,
Deepdene 3103. (03) 817 4683
and also at Tooronga Village



Easy Parking • Sharp Prices • Ski Hire



Zamberlan
Lightweight Boots
for Total Comfort,
Total Performance

Peace, Love, and Happiness

Pilgrim trekkers give us curry

Wildfire

Congratulations to Graeme Hill and Jon and Brigitte Muir for their successful ascent of Shiviling (*Wild* no 22). We appreciate the difficulties of the expedition, being 'the trekkers' who visited their Advance Base Camp at Tappovand.

However, it is disappointing to see *Wild* publish an article which is apparently at odds with its supposed ideals: 'the often intensely personal, almost spiritual nature of involvement with (wilderness)'.

The Ganges River, the Gangotri region and Shiviling in particular are of enormous significance, spiritually, to millions of Hindus. Every summer pilgrims journey thousands of kilometres to purify themselves in the icy waters of the Ganges, and to receive blessings from religious teachers in the area. One such teacher lived on the desolate meadow at Tappovand; less than 100 metres away was the Australian Base Camp.

In 'Shiviling Sojourn' we were saddened by the absence of any comment relating to this aspect of the area. We are concerned that *Wild*, through publishing the article, is promoting expeditions which have no empathy for the local people and their traditions. This disregard was also conveyed by the mountaineers in their attitude to their cook and the death of their liaison officer, both of whom were working under trying conditions.

Surely *Wild* should be encouraging Australians, young and old, to interact positively with people at all levels of an expedition. In future we hope *Wild* will publish articles which describe more than purely technical conquests by Australians overseas.

Fiona Walsh & Carolyn Goba
Perth, WA

Gear Freaks of the World Unite!
As an avid fan of *Wild* since its inception, I feel somewhat disillusioned after your editorial in *Wild* 22. In that editorial you imply that becoming techno-materialistic is undesirable, yet in that same edition there are at least 37 advertisements extolling the virtues of the latest technology in outdoor equipment. The revenue received from the companies who place these advertisements is the lifeblood of your magazine; your hypocrisy amazes me ...

If people feel that by purchasing state-of-the-art equipment their adventures become more enjoyable and/or safer, then surely you are not in a position to criticize.

It is irrelevant what gear is taken into the bush, as long as people do not damage the environment, nor affect other people who are there to enjoy it also. Increasingly, the old adage

of 'take only photographs, leave only footprints' needs to be adhered to, regardless of the equipment used.

C Davie
Hawthorn, Vic

PS Should your new-found principles prevent you from testing any techno-materialistic equipment that your advertisers send you, my friends and I will be only too happy to oblige.

Yes, Minister

In your Editorial (*Wild* no 23) you sounded a timely warning about creeping developments in national and other parks.

I could take issue about your extravagant references to power-hungry government agencies, opulent budgets and huge staffs, but there are three more important issues deserving of comment.

National Parks are set aside for the preservation of the flora and fauna that have always been there and which need protection from human visitors, including those who 'tread softly'. For example, restriction of activity, for a limited period, because peregrine falcons (an endangered species) are nesting, is quite legitimate. (See *Wild Information* in this issue. Editor)

Rather than welcoming the declaration of new parks, we should look more carefully at the areas which are the subject of National Park campaigns. Are they worth it? Do they measure up to international standards? For example grazing, logging and mining were all taking place in the area of Bogong National Park before it became a park. Perhaps that declaration was not warranted at that time.

The real threat to our parks is not from management agencies but from other government and private bodies involved in tourism. They believe our large parks could attract far more people and dollars, especially from the lucrative overseas market, if there were a hut or two here, a track or three there, and a road somewhere else. The signs are that such ideas are gaining widespread support.

Sandra Bardwell
South Yarra, Vic

Sandra Bardwell is employed by Victoria's Department of Conservation, Forests & Lands.

Married Bliss?

Wild's outstanding achievement has been its marriage of wilderness adventure with conservation. With so much of our wild heritage destroyed, it is critical that we all practice minimal impact and that we seek to protect

remaining wilderness from its multitude of threats.

Your strong editorials and *Wild Information* columns have been consistent in bringing the threats to our attention and in advocating conservation of wild places.

The era of the ill-prepared great white adventurer running roughshod over the landscape and the lives of his companions is over. Modern sensibilities and a sprinkling of modern equipment make for sensitively conducted adventure ...

In light of all this I question your decision to publish an account of the 1986 Greenland kayak expedition (see *Wild Information*, *Wild* no 23) ... The expedition started at the beginning of winter.

From my experience of two six-week Arctic canoe trips, I suggest that the northern summer is the only time to be on the water. The risks of wilderness travel are real (indeed that is part of the attraction) and must be faced when they naturally occur. But to invite them in advance is foolishness.

I hope you continue to promote adventure with sensitivity. Perhaps the Greenland kayak story could be used in an article on drawing the line between adventure and foolishness.

Joss Haiblen
Downer, ACT

Me Too

I enjoyed the 'Tasmania: Coast to Coast' account by Roddy Maclean in *Wild* no 22, but feel I must mention that a successful attempt at such a traverse was made in 1982.

Greg Holschier, Mike Janowsky, Linton Kerber and myself, from Bendigo College of Advanced Education, did the walk as part of the two-year Associate Diploma of Outdoor Education course conducted at the college. We started our Trans Tasmanian Expedition at Cockle Creek on 22 August and arrived at Penguin on the north coast on 20 September, after 30 days. During the 30 days we encountered 21 days of rain or snow, and countless swollen creeks and rivers—with close encounters at both the Gordon and Gell Rivers. We also had leeches, blisters and two cases of fluid on the ankle ...

Our major sponsors were ...

David Chandler
West Beach, SA

Readers' letters are welcome. A selection will be published in this column. Letters of less than 200 words are more likely to be published. Write to the Editor, *Wild*, PO Box 415, Prahran, Victoria 3181.



Safer drinking water anywhere



It's so easy to reduce the risk of illness, with a Katadyn water filter.

Indispensable for campers, backpackers, fishermen, mountaineers, river runners, globetrotters, missionaries, geologists and workers in disaster areas – standard issue with the International Red Cross and the armed forces of many nations – essential equipment for survival kits.

Manufactured in Switzerland for over half a century, Katadyn's Water Filters are based on the proven and simple mechanical principle of ultrafiltration through a 0.2 micron approx. microporous ceramic filter element.

Harmful bacteria, protozoa, fungi, cysts and parasites are removed, including the chemically resistant infectious agents of giardia, the amoebic and shigella dysenteries, and also those causing typhoid, cholera, bilharzla, and a long list of other dangerous diseases. Larger parasites such as liver flukes are also eliminated.

No chemicals are used in the Katadyn disinfection process. In contrast to chemical methods based on chlorine and iodine compounds, the effectiveness of ultrafiltration does NOT depend on uncontrollable field variables such as the temperature and acidity of the water, or on the type and quantity of dissolved or suspended mineral or organic matter.

Neither is there any question of how much chemical to use, how long a contact time you need, how long and how vigorously you must stir the water to make it safe, or whether the chemicals have lost potency with time or exposure to heat or moisture.

And, unlike chemical methods, Katadyn Pocket Filters work equally well with turbid water heavily laden with silt or algae and will clarify the water as well as disinfecting it.

The Katadyn Pocket Filter has a built-in pump to develop the pressure needed for rapid filtration. With little effort you can produce 3/4 liter (quart) per minute of safe drinking water.

A silver lining firmly fixed to the inside of the ceramic element prevents the growth of algae or bacteria into the surface, keeping it free of contamination. No chemicals are added to the purified water and none are removed – the water retains its natural mineral content. Neither will seawater or brackish water be made potable as no salts are removed.

The Pocket Filter is compact – only 250 mm (10") long and 50 mm (2") in diameter – about the size of a two-cell flashlight. Weighs only 650 grams (23 oz.) or much less than a one liter (quart) canister of water. Save weight by carrying a Pocket Filter and using available raw water – eliminate the burden of bringing along large stocks of «safe» water!

With proper care, your Pocket Filter will last many years without the need for consumable chemicals or disposable filter elements. Even if it should plug up when pumping turbid water, full flow is quickly restored by wiping or brushing off the raw water side of the filter element. You can do this hundreds of times before you need to replace the ceramic filter element.

Katadyn Pocket Filters come with a 75 cm (30") suction hose fitted with an intake strainer to eliminate coarse debris, a cleaning brush and user instructions – all of which packs neatly into the zippered soft carrying case also included.

EPA Registration # 39444-1

EPA Establishment # 39444-SW-01

Certificates of the effectiveness of KATADYN Water Filters on file at the factory include:

International Red Cross, Geneva · Swiss Tropical Institute, Basle · University of Zurich · Pasteur Institute, Lille · Harvard University, Cambridge · University of Costa Rica, San Jose · National Institute of Hygiene, Lima · Haffkine Institute, Bombay · Harcourt Butler Institute, Rangoon · Public Health Department, Sydney · Bureau of Health, Manila · Africa Inland Mission, Kampala · Ministry of Health, Cairo · Ross Institute of Tropical Medicine, London · The Michigan University School of Public Health.

Available from good bushwalking shops. RRP \$328

For further information write to **Katadyn Products**, 29 Stewart Street, Wollongong, NSW 2500. Telephone (042) 27 2473

Mammut Spider Climbing Rope \$199

- Max. Force: 1000DaN
- Weight: 76g/m
- 11mm x 50m
- Elongation in use: 6.0%
- Colour (Campari)
- UIAA Falls: 8-9

CAVING ROPE \$4.99

PER METRE

- 3000kg breaking strain
- 11mm

Until Stocks
Sold Out



Mountain Designs

AUSTRALIA

Brisbane	(07) 221 6756
Sydney	(02) 267 8238
Canberra	(062) 47 7153
Melbourne	(03) 67 3354
Adelaide	(08) 232 0690
Fremantle	(09) 335 9299
Perth	(09) 322 4774



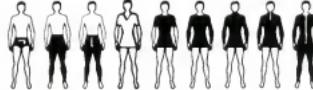
If it's thermal underwear you want, it's Helly-Hansen LIFA SUPER you need.

Helly-Hansen LIFA SUPER underwear is thin, light and stretches to form-fit your body. Worn skin tight, LIFA SUPER traps a layer of still air around your body, maintaining a warm barrier between your body and the environment. You lose less body heat.

LIFA SUPER is made from polypropylene which doesn't absorb or retain moisture. Perspiration passes through LIFA SUPER underwear to be absorbed by the next garment. LIFA SUPER stays dry, maintaining its insulating properties and leaves the skin dry and free from the irritation and discomfort of having a damp garment clinging to the skin.

If you work, travel, walk, ski, climb, paddle, sail, dance, run, cycle, windsurf or sleep... start with LIFA SUPER then decide what else you'll need to wear.

Helly-Hansen LIFA SUPER works.
Ask anyone who wears it.



LIFA SUPER
UNDERWEAR

090, 066, 008, 005, 025, 026, 000, 036, 032, 061

Available from all good outdoor shops

mountain equipment

BACKPACK ADVENTURE SPECIALISTS

We offer the best equipment,
advice and service.

- Bushwalking • Climbing
- Trekking • Travelling
- Cross country skiing
- Mountaineering
- Abseiling • Canyoning

Professional advice is only
a call away (02) 267 3639

291 Sussex Street

Sydney 2000

(corner Bathurst Street)





All the gear you need to enjoy a holiday in Tasmania

- Maps, books and local knowledge to help you plan your wilderness activities.
- A wide selection of freeze dried food, fuel and all your requirements.
- Mail orders welcome
- Orders prepared for collection in Hobart or with Bushwalkers Transport.

Paddy Pallen

THE LEADERS IN ADVENTURE
32 CRITERION STREET.

Bushwalkers Transport

For South-west Tasmania; Scotts Peak, Cockle Creek, Mt Anne, the Franklin or Pictor rivers; Lake St Clair, Frenchmans Cap and more. Walkers or rafters. Groups or individuals. Bushwalkers Transport 28 Criterion Street Hobart 7000 (above Paddy Pallen) (002) 34 2226 all hours. Shellite and metho available.

OUTSPORTS

The Complete Wilderness Centre

Plastic Kayaks
priced to start
a Revolution

Now at
OUTSPORTS

Cascade TS	-\$495
Dura	-\$520
Dancer	-\$590
Venturer	-\$640
Olympia	-\$625

340B Hawthorn Rd
Caulfield 3162
Ph: (03) 523 5727
36 Young St
Frankston 3199
Ph: (03) 783 2079

FLY *par-Avion* The Bushwalker's Airline

Let *par-Avion* help with your Tasmanian adventure! We will fly you into wild Tasmania - with National Parks our specialty: Freycinet, Maria Island, South-West (Coxs Bight and Melaleuca Inlet), Cradle Mountain and more... Personal and group transport. Supply drops. Regular scenic flights. Photography. Cambridge Aerodrome Hobart (002) 48 5390 Telex AA 57164. Postal address PO Box 300 Sandy Bay Tasmania 7005

Wilderness Tours

Lightweight hiking and camping in Tasmania's South-west wilderness Tours available include

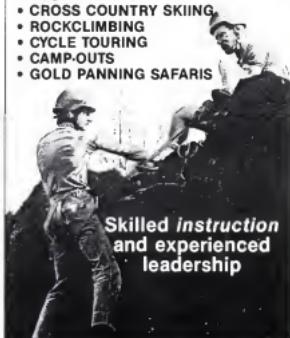
- South Coast Track,
- South-west Cape area,
- Port Davey standing camps.

For further details contact: *Wilderness Tours* Geeveston Tasmania 7116 (002) 97 1384 or any office of the Tasmanian Government Tourist Bureau.

OUTDOOR VENTURES GEELONG

The Outdoor
Recreation Specialists

- CANOEING
- BUSHWALKING
- CROSS COUNTRY SKIING
- ROCKCLIMBING
- CYCLE TOURING
- CAMP-OUTS
- GOLD PANNING SAFARIS



*Skilled instruction
and experienced
leadership*



FOR YOUR SPECIALIST
OUTDOOR EQUIPMENT,
CLOTHING AND ADVENTURE
TRAVEL BOOKINGS

Shop 11, Pakington Arcade,
Pakington Street, Geelong West,
Phone (052) 22 4949 or 43 9487 (AH)

The most talked about range of rucksacks in Australia



MOUNTAIN PACKS

Full-specification, dual-compartment sacks. Extends to an internal capacity by 15 litres. Available with Paralux and Torsa Trac harness. Cerro Torre I; 58 litres. Cerro Torre II; 68 litres.



Paralux harness



ALPINE PACKS

Anatomically designed to contour the body for maximum freedom of movement. Mesa; 55 litres, scalloped sides. Paralux harness. Canyon; 50 litres. Paralux harness. Sierra; 55 litres, access to base compartment by 'A' opening. Paralux or Torsa Trac harness. Crag; 42 litres, the perfect climbers' sack.

Tri-Shield

Many sacks will be available in Tri-Shield, a new fabric developed for harsh climatic conditions. Tri-Shield is double-coated with waterproof polyurethane on one side, while its outer hydrophobic finish is oil and stain resistant. This unique combination provides high performance with excellent protection.



SOFT PACKS

New for 1987, these bags are designed for skiing, hiking or general use. Attractive single-compartment sacks with draw-cord fastening. The flap, with zip pocket, anchors by a Fاستex buckle. Lowie I; 18 litres. Lowie II; 22 litres. Lowie III; 28 litres.

Guarantee

Lowe products are guaranteed for life against defective materials and workmanship (excluding normal wear and tear).

Available from all good outdoor shops. For a copy of the Lowe catalogue showing the full range, contact your nearest stockist.



TRAVEL PACKS

Convertible travel bags for week-end or world travel. Hide-away panel covers the Paralux harness when not in use. Compression straps control the contents. Can be carried as backpack, shoulder bag or hand luggage. Travel Kinni I; 60 litres. Travel Kinni II; 66 litres. Travel Kinni III; 72 litres.



For further information on the extensive Lowe range, please contact 08 Biggs Pty Ltd, 253 Sussex Street, Sydney NSW 2000. Telephone (02) 29 1467 or 290 1687. Telex (071) 25686

"Lost for direction and advice???"



BOOTS
For comfort from your feet to your hip pocket, these Hi-Tech boots from Hike & Ski are the walkers' delight.



PACKS
Book and money troubles? Not at Hike & Ski! See our enormous range of budget and deluxe packs.



ACCESSORIES
All the accessories you can imagine to ensure a comfortable outing with your friends.



TENTS
Accommodation of all shapes and sizes. The latest in Hi-Tech tents and sleeping bags available NOW!



The professional advice and assistance we can offer you in bushwalking, camping, skiing and most outdoor sports is endless. See our large range of bushwalking maps also. Speak to Hike & Ski for individual specialist attention. Our super weekly specials are value packed.

INFORMATION: 67 WELLS STREET,
FRANKSTON, VICTORIA 3199 PH: (03) 783 4093 AUSTRALIA

CLOTHING
Extensive range of clothing to suit.

FRANKSTON



ALP Sports

We have opened in

EXCITING PRODUCTS



TYPOON DRY JAPARA PARKA

Traditional style japara rain parka with full zip front, storm cuffs and ample pockets. Blue, Green or Red
Childs sizes \$55.00
Youths sizes \$65.00
Adults sizes S, M, L, XL, XXL \$79.50

ALP SPORTS CASCADE RAIN PARKA

A new product to the Australian market, this garment has proved tremendously successful in torrential rain conditions in New Zealand. The fabric is a taffeta nylon with a tough PVC waterproof coating. This combination provides optimum waterproofness with minimal weight. All seams are factory tape sealed. Sizes XS to XL. \$89.50 Mid blue or Magenta

MACPAC TORRENT RAIN PARKA

Similar to the Cascade Parka but with the addition of under-arm zips. Sizes XS to XL. Blue or Green. \$99.50

ALP SPORTS GUARANTEE

PRODUCTS

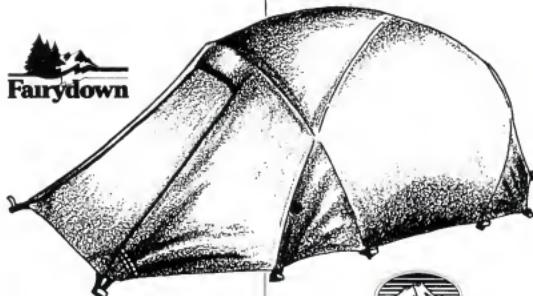
All products are guaranteed against faulty materials and workmanship.

SERVICE

We guarantee prompt service. All orders will be despatched by midday the following day after receipt of your order. For out-of-stock items we will either place an back order for you (and notify you of the delay) or we will refund your payment. For urgent courier despatch of goods, we can quote you prices and times when you telephone.

PRODUCT RETURNS

Goods may be returned, if unused, within two weeks of purchase for either a full refund on the price paid for the product, or for colour/size/model swaps. In the case of product swaps, postage costs will apply again.



STING TENT (2 person)

This tent has a lot to offer! It is a four-pole, free-standing rectangular dome design with two entrances and vestibules. The two-entrance design provides excellent flow-through ventilation. The ripstop nylon fly is factory tape seam-sealed and the tub floor is seamless. Insect screens on both entrances keep the bugs out. Weight: 3.5 kg \$475.00
(Manufactured by Fairydown — separate brochure on request.)

TRILOGY TENT (2 person)

A roomy three-pole tunnel tent from Fairydown. Weight: 3.3 kg \$399.50



TERRA NOVA PACK

This large capacity (75-80 litres) pack from Fairydown has fittings for ice axes, crampons and optional side pockets. An excellent alpine pack for long trips into the mountains. Single compartment with one-size adjustable harness. Cordura nylon. \$139.00



MACPAC TENTS

OLYMPUS (usually \$545)
DELTA II (3-4 person)

\$475.00
\$358.00

MACPAC PACKS

TORRE (usually \$299)
ASCENT (usually \$265)
CANYON (usually \$289)
CERRO
VENTURE I
VENTURE II

\$229.00
\$199.00
\$219.00
\$169.50
\$119.50
\$139.50



POLYPROPYLENE BODYWEAR

Our polypropylene is made from a special Merkalon yarn. It's extra stretchy and will hug your warmth in, while moving every way you do. Colours are loud — you won't go unnoticed! Colours available: Bumblebee, Redback, Pinstripe, Pink Panther, Rosella, Pacifica . . . or plain Navy. Sizes: S, M, L, XL
Long Sleeve Top \$19.50
Short Sleeve Top \$17.50
Zip Polo Neck Top \$25.50
Long John Pants \$20.50
Gloves (Navy only) \$4.50

POLYPROPYLENE SOCKS

Excellent wool/polypropylene blend loop pile socks which are fast-drying, durable and very comfortable. Mid calf length. Navy, Red, Green. Sizes: S (2-5), M (5-10) L (11-13) \$9.00

Telephone Melbourne (03) 417 6682 (reverse charges calls accepted for orders over \$500)

AUSTRALIA

EXCITING PRICES



KASHGAR TRAVEL PACK

The simple, comfortable and robust harness system is available in three sizes (S, M, L) for correct back fitting. The single compartment sac opens out for convenient packing of gear and has a separate access for a sleeping bag. Lash tabs on the top can be used for strapping on tents, sleeping mats or the odd piece of excess baggage, but not that you will probably need it — this pack has a huge volume (80 litres). When you are sightseeing or on airplane/train/bus, the front pocket detaches and you have a convenient day pack complete with padded shoulder straps and that essential internal document pocket to keep valuable documents safe. The whole pack neatly converts to a suitcase. \$169.00

ASOLO GLISSADE 310 CROSS COUNTRY SKI BOOTS

Top quality XC boots from Asolo Sport. Sizes: 5-11½ \$114.80



TRAIL BOOTS

A solidly-made bushwalking boot for rugged terrain, the TRAIL features a single piece (no seams) antifibro calf leather upper which is strongly stitched to the midsole. The Vibram Montana sole can be replaced (after years of wear). Bellows tongue with hook and D-ring lacing. Sizes 36-48 \$149.50

FUEGO

Made exclusively for Alp Sports in Italy, the Fuego has a combination suede/Cordura upper with suede lining and bellows tongue. It features the new ultralightweight Vibram microporous sole which make the boots ideal for travel footwear and general casual wear. Sizes 36-48 \$99.50

BACKCOUNTRY

The BACKCOUNTRY is the same style as the Fuego but with a heavier Skywalk sole which is more suited to light track walking. Sizes: 36-46 \$89.50

ALP SPORTS CORDURA GAITERS

Knee-high Velcro-closing snow gaiters ridiculously priced at \$159.50. S, M, L



MONTANA

Beautifully-made Italian walking boots, lightweight but rugged enough for general track walking. The all-leather upper (with calf skin lining) has a bellows tongue and is well-padded at the ankle. The traction Skywalk sole is bonded with a protective rubber rand which runs right around the boot. The price represents amazing value for this quality Italian boot. Sizes 36-47 \$129.50

HOW TO ORDER

1. Phone Melbourne (03) 417 6682. Tell us your order with details of size, colour, model etc. Give us your credit card details, ie name on card, card number and expiry date. We accept Bankcard and VISA only. We will accept reverse charges calls for orders over \$500 only. We will also need your name and address.
2. If you want to mail your order to us, post the above information to ALP SPORTS, GPO Box 2084S, Melbourne 3001. We will accept credit card payment, bank cheques, money orders or personal cheques. (In the case of personal cheques, goods will be despatched 3 days after receipt of the order.)
3. If you need any further information on any of the products telephone or write to us to discuss your queries. We can send you our complete catalogue/price list on request.
4. Postage costs are extra and are as follows:

Melbourne, Metropolitan Area	\$1.00 per order
Victoria	\$2.50 per order
Sydney & A.C.T.	\$3.50 per order
N.S.W., Tasmania & S.A.	\$4.00 per order
Queensland, W.A. & N.T.	\$4.50 per order

ROCK GEAR BARGAINS

FRICITION BOOTS

Fire 4-12	\$129.50
Fire Cat 5-11½	\$139.50
Scarpa Superatz 38-46	\$119.50
Scarpa Super Spiders 38-46	\$109.50

BEAL ROPES

8.8-50	\$119.50
9x50	\$129.50
9x45	\$119.50
10.5-50	\$119.50
11x50	\$119.50
8.8-50 Dry	\$145.00
9x50 Dry	\$155.00
10.5-50 Dry	\$193.00
11x50 Dry	\$199.50
Static Caving Rope 200metres x 10.2mm	\$490.00

EDELRID ROPES

9x45 Classic	\$149.50
9x50 Classic	\$165.00
9x45 Dry	\$179.50
9x50 Dry	\$199.00

KARABINERS

CAMP	
2300 kg small offset D	\$6.90
3000 kg Standard D screwgate	\$7.90
2200 kg Large offset D screwgate	\$9.50

ACCESSORIES

Figure 8	\$11.00
Jumars pr.	\$105.60

Melbourne shop: London Arcade,
345 Bourke Street. Opposite GPO

PRICES

Prices quoted in this advertisement are Australian dollars and are fully inclusive of all import duties and sales taxes. Postage or freight costs are extra as outlined above. We guarantee to maintain the advertised prices while stocks last or until publication of the next WILD magazine.

complete catalogue on request.
Phone Melbourne (03) 417 6682

DOWNIA 1100 GLACIER

All down sleeping bags are not created equal. The 1100 Glacier is *the* sleeping bag for ski tourers on the Great Divide, trekkers in the world's major ranges, or sensitive sleepers in severe conditions.

Advanced slant-walled compartments are filled with a massive 1,100 body-hugging grams of 550 loft superdown. A contoured hood and pillow is secured snugly round the head with a locking drawcord. Even when the hood is flat, the 1100 Glacier's continuous draught excluder (sealing the three-quarter length double-ended zip) and cosy collar round the neck and shoulders protects completely. If you want a sleeping bag with the highest quality down, practical design, tough construction, and a sensible price ... the DOWNIA the better. For more warmth from your down, and more down for your dollar ... the DOWNIA the better. Find out why DOWNIA is better! For your nearest stockist and a brochure write or call: Outdoor Life Pty Ltd, 222 Pacific Highway, Hornsby, NSW 2077. Phone (02) 476 5566.

Inspect the complete DOWNIA range including the 1100 Glacier at **Southern Cross Equipment** Shops where you will find the outdoors people more people rely on.

Chatswood
66-70 Archer Street
(just off Victoria Avenue)
(02) 412 3372

Hornsby
222 Pacific Highway
(02) 476 5566

Parramatta
28 Phillip Street
(02) 633 4527

Sydney
355 Kent Street
(02) 29 4526



The DOWNIA the Better

For information on how to get your business listed in this regular feature, please contact Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181. Phone (03) 240 8482.

Suppliers

Australian Capital Territory

CSE Camping Sports

Equipment Pty Ltd

11 Townshend Street

Phillip 2606

Ph (062) 82 3424

Jurkiewicz Camping Centre

47 Wollongong Street

Fyshwick 2609

Ph (062) 80 6519

Mountain Designs

Shop 6 CAGA Centre

38 Akuna Street

Canberra 2601

Ph (062) 47 7153

Paddy Pallin Pty Ltd

11 Lonsdale Street

Braddon 2601

Ph (062) 47 8949

Scout Outdoor Centre

89 Petrie Plaza

Civic Square 2608

Ph (062) 57 2250

Wild Country

53 Woolley Street

Dickson 2602

Ph (062) 47 4539

New South Wales

Alp Sport Ski and Camping Centre

1045 Victoria Road

West Ryde 2114

Ph (02) 85 6099

Bushcraft Equipment

29 Stewart Street

Wollongong 2500

Ph (042) 29 6748

Camp Trails/Eureka!

SC Johnson & Son Pty Ltd

Private Mail Bag 22

Lane Cove 2065

Ph (02) 428 9111

Canoe & Camping Supplies

265A Victoria Road

Gladesville 2111

Ph (02) 817 5590

Canoe Specialists

5 Wongala Crescent

Beechcroft 2119

Ph (02) 84 3534

Cross Country Ski Centre

38 Kingsway

Cronulla 2230

Ph (02) 523 7222

Damart

58 Clarence Street

Sydney 2000

Ph (02) 29 2366

Eastwood Camping Centre Pty Ltd

3 Trelawny Street

Eastwood 2122

Ph (02) 858 3833

Hallmark Leisure Goods Pty Ltd

80 Parramatta Road

Lidcombe 2114

Ph (08) 002 2292

High Tops Equipment

PO Box 98

Glenbrook 2773

Ph (047) 58 6519

Katoomba Outdoor Centre Pty Ltd

285 Main Street

Katoomba 2780

Ph (047) 82 3467

Metzeler Inflatable Canoes and Rafts

142 Victoria Road

Gladesville 2111

Ph (02) 817 1309

Mountain Designs

494 Kent Street

Sydney 2000

Ph (02) 267 8238

Mountain Equipment Pty Ltd

251 Sussex Street

Sydney 2000

Ph (02) 264 3146

Norski
74 Clarence Street
Sydney 2000
Ph (02) 29 7792

Paddy Pallin Jindabyne
Opposite Thredbo turn-off
Jindabyne 2627
Ph (068) 62 458

Paddy Pallin Pty Ltd
105 Katoomba Street
Katoomba 2780
Ph (047) 82 2014

Paddy Pallin Pty Ltd
527 Kingway
Miranda 2228
Ph (02) 525 6829

Paddy Pallin Pty Ltd
507 Kent Street
Sydney 2000
Ph (02) 264 2685

Scout Outdoor Centre
Carrington Avenue
Hurstville 2220
Ph (02) 57 7842

Single Rope Technique Equipment
54 Blackshaw Avenue
Mondale 2223
Ph (02) 57 6420

Ski Country
173 Sharp Street
Cooma 2630
Ph (0648) 24 147

Southern Cross Equipment Pty Ltd
66 Archer Street
Chatswood 2759
Ph (02) 412 3372

Southern Cross Equipment Pty Ltd
222 Pacific Highway
Hornsby 2077
Ph (02) 476 5566

Southern Cross Equipment Pty Ltd
28 Phillip Street
Parramatta 2150
Ph (02) 633 4527

Southern Cross Equipment Pty Ltd
355 Kent Street
Sydney 2000
Ph (02) 29 4526

Summit Gear
285 Main Street
Katoomba 2780
Ph (047) 82 3467

Superior Sportswear Pty Ltd
12 Cornelia Road
Toongabbie 2146
Ph (02) 631 9899

The Outdoor Experience
518 Macaquey Street
Albury 2640
Ph (060) 21 5755

The Shop
Lucas-Chokola
PO Box 24
Kangaroo Valley 2577
Ph (044) 65 1222

Three Peaks
49 Ramsay Street
Haberfield 2045
Ph (02) 797 0233

Trek Outdoor Australia Pty Ltd
475 Princes Highway
Kirrawee 2232
Ph (02) 521 1322

Wildsports
327 Sussex Street
Sydney 2000
Ph (02) 264 2095

Back Track Expeditions
30 Grimes Street
Auchenflower 4066
Ph (07) 870 3884

Adventure Camping Equipment
11 Ross River Road
Mundingburra 4812
Ph (07) 75 6116

Austen Canoes
29 Ipswich Road
Wooloongabba 4102
Ph (07) 391 8588

Young's Outdoor Gear
35 Wilson Street
Burnie 7320
Ph (004) 31 6706

Ian Aitchison & Co Pty Ltd
42 Douglas Street
Milton 4064
Ph (07) 369 0965

Jim the Backpacker
76 Wickham Street
Fortitude Valley 4006
Ph (07) 839 6609

Mackay Rocksports
22 Lindeman Avenue
Lambers Beach 4741
Ph (07) 55 1273

Mountain Experience
95 Albert Street
Brisbane 4000
Ph (07) 221 6756

Queensland Conservation Council
Billabong Beach Shop
2 Queen Street
Brisbane 4000
Ph (07) 229 2801

Scout Outdoor Centre
132 Wickham Street
Fortitude Valley 4006
Ph (07) 52 4744

The Camping Centre
25 Ipswich Road
Wooloongabba 4102
Ph (07) 391 6930

Torre Mountain Craft Pty Ltd
Shop 10
600 Sherrwood Road
Sherwood 4075
Ph (07) 378 5549

South Australia

Bon Voyage Enterprises Canoes
2 Sandlands Street
Lockleys 5032
Ph (08) 356 6237

Canoe Sport
PO Box 51
North Adelaide 5006
Ph (08) 46 1263

Flinders Camping Pty Ltd
106 Pirie Street
Adelaide 5000
Ph (08) 223 1913

Mountain Designs
95 Grenfell Street
Adelaide 5000
Ph (08) 232 0690

The Scout Shop & Outdoor Centre
192 Rundle Street
Adelaide 5000
Ph (08) 223 5544

Thor/Paddy Pallin Adventure Equipment
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Tasmania

Allgoods Pty Ltd
71 York Street
Launceston 2790
Ph (03) 31 3644

Jolly Swagman
107 Elizabeth Street
Hobart 7000
Ph (002) 34 3680

Outdoor Equipment
135 Elizabeth Street
Hobart 7000
Ph (002) 34 6213

Paddy Pallin
32 Criterion Street
Hobart 7000
Ph (002) 31 0777

Paddy Pallin Adventure Equipment
124 St John Street
Launceston 7250
Ph (003) 31 4240

The Scouting & Camping Shop
107 Murray Street
Hobart 7000
Ph (002) 34 3885

Wildgear
PO Box 422
Sandy Bay 7005
Ph (002) 23 6050

Young's Outdoor Gear
35 Wilson Street
Burnie 7320
Ph (004) 31 6706

Young's Outdoor Gear
35 Wilson Street
Burnie 7320
Ph (004) 31 6706

Directories

Victoria

Adventure Recreation Lines Pty Ltd
360 Spencer Street
West Melbourne 3003
Ph (03) 328 3435

Ajay's Snow Country Sports
115 Canterbury Road
Heathmont 3135
Ph (03) 729 7844

Algona Publications Pty Ltd
16 Charles Street
Northcote 3070
Ph (03) 481 3337

Alp Sports Ltd
London Arcade
Bourke Street
Melbourne 3000
Ph (03) 493 4916

Aussie Disposals
283 Elizabeth Street
Melbourne 3000
Ph (03) 67 4057

BG's Outdoouriour
99-101 Marcondah Highway
Ringwood 3134
Ph (03) 870 8888

Broadway Disposals
259 Broadway
Reservoir 3073
Ph (03) 460 6622

Bush & Mountain Sports Pty Ltd
204 La Trobe Street
Melbourne 3000
Ph (03) 662 3349

Canoe Equip
Shop 11
427 Hampton Street
Hampton 3188
Ph (03) 598 8814

Canoe Factory
22 High Street
Glen Iris 3146
Ph (03) 515 5159

Canoe Plus
140 Cotham Road
Kew 3101
Ph (03) 817 5934

Chandler's Outdoor & Ski
71 Fyans Street
Shepparton 3630
Ph (058) 21 4228

Current Craft Plastic Kayaks
360 Spencer Street
West Melbourne 3003
Ph (03) 328 3435

Eastern Mountain Centre
401 Ridgeway Road
Camerwell Junction 3123
Ph (03) 882 7229

Environment Centre Bookshop
285 Little Lonsdale Street
Melbourne 3000
Ph (03) 663 1561

Hike and Ski
67 Wells Street
Frankston 3199
Ph (03) 783 4093

Marashal Camping Supplies
37 Lonsdale Street
Dandenong 3175
Ph (03) 793 2711

Melbourne Map Centre
740 Waverley Road
Chadstone 3148
Ph (03) 569 5472

Mountain Designs
377 Little Bourke Street
Melbourne 3000
Ph (03) 67 3354

Mountain Sports Wodonga
25 South Street
Wodonga 3690
Ph (060) 24 5488

Nordic Ski & Backpacking (Vic) Pty Ltd
77 Murrambeena Road
Murrambeena 3163
Ph (03) 568 4133

Outdoor Gear
1213A Sturt Street
Ballarat 3350
Ph (053) 32 7516

Outdoor Ventures Geelong
Shop 11
Pakington Arcade
Pakington Street
Geelong West 3218
Ph (052) 22 4949

Outgear Pty Ltd
PO Box 6
Marybryong 3032
Ph (03) 317 8886

Outsports
340B Hawthorn Road
Caulfield South 3162
Ph (03) 523 5727

Outsports
36 Young Street
Frankston 3199
Ph (03) 783 2079

Oz Camping & Disposals
664 High Street
Thornton 3071
Ph (03) 484 2849

Paddy Pallin Pty Ltd
8 Market Street
Box Hill 3128
Ph (03) 898 8596

Paddy Pallin Pty Ltd
55 Hardware Street
Melbourne 3000
Ph (03) 67 9485

Sam Bear Outdoor Gear
225 Russell Street
Melbourne 3000
Ph (03) 663 2191

Scout Outdoor Centre
79 Mitchel Street
Bendigo 3550
Ph (054) 43 8226

Scout Outdoor Centre
33 Myers Street
Geelong 3220
Ph (052) 21 6618

Scout Outdoor Centre
360 Lonsdale Street
Melbourne 3000
Ph (03) 67 1177

Scout Outdoor Centre
20 Station Street
Mitcham 3132
Ph (03) 873 5061

Scout Outdoor Centre
880 Nepean Highway
Moorebank 3189
Ph (03) 555 7255

Snow Ski Pty Ltd
68 Whitehorse Road
Deepdene 3103
Ph (03) 817 4683

The Wilderness Shop Pty Ltd
1 Carrington Road
Box Hill 3128
Ph (03) 898 3742

Western Australia

Mountain Designs
862 Hay Street
Perth 6000
Ph (09) 322 4774

Paddy Pallin Adventure Equipment
7A/59 East Parade
East Perth 6000
Ph (09) 325 5984

The Scout Shop and
Outdoor Centre
581 Murray Street
Perth 6000
Ph (09) 321 5259

Wild West Adventure Equipment
33A Adelaide Street
Fremantle 6160
Ph (09) 335 9299

Wilderness Equipment
29 Jewell Parade
North Fremantle 6159
Ph (09) 335 2813

New Zealand

Al Sports
DFC House
Corner Queen and Rutland Streets
Auckland
Ph (09) 39 4615

Alp Sports Mountain Shop
235 High Street
Christchurch
Ph (03) 67 148

Al Sports Wellington Ltd
Public Trust Office
125 Lambton Quay
Wellington
Ph (04) 72 0673

Mainly Tramping

Level 1
Grafton Arcade
Willis Street
Wellington
Ph (04) 73 5353

Hong Kong

Grade VI Alpine Equipment & Services
172 Tung Lo Wan Road
Mezz Floor
Causeway Bay
Ph (5) 669 313

Mountain Services International Ltd
Room 102, 32 Morrison Hill Road
Wanchai
Tel: 65205 MTSEV HX

USA

Recreational Equipment, Inc
PO Box C-88125
Seattle
WA 98188-0125
Ph (206) 433 0771

Adventure activities

Australian Capital Territory

Paddy Pallin Adventure Travel
11 Lonsdale Street
Braddon 2601
Ph (062) 47 8949

Wilderness Expeditions
9 Sargood Street
O'Connor 2601
Ph (062) 49 6634

Wildrivers Adventure River Trips
PO Box 140
Dickson 2602
Ph (062) 47 4539

New South Wales

Access to China
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Adventure Travel
1st Floor
117 York Street
Sydney 2000
Ph (02) 264 6033

Australian Himalayan Expeditions
3rd Floor
377 Sussex Street
Sydney 2000
Ph (02) 264 3366

Australian Nature Tours
PO Box 43
Newcastle 2300
Ph (049) 23 025

Ausventure
Suite 1
870 Military Road
Mosman 2088
Ph (02) 960 1677

Blue Mountains Climbing School
285 Main Street
Katoomba 2780
Ph (047) 82 3467

Dragonair Overland
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Elik Expeditions
87 Greenbank Drive
Werrington Downs 2750
Ph (047) 30 3503

Encounter Overland Ltd
10th Floor
66 King Street
Sydney 2000
Ph (02) 29 1511

Lucas-Chakola Adventure Pursuits
PO Box 24
Kangaroo Valley 2577
Ph (045) 65 1222

New Guinea Expeditions
Lower Ground Floor
100 Clarence Street
Sydney 2000
Ph (02) 290 2055

Nymboida Whitewater Rafting
Expeditions
PO Box 224
Woolgoolga 2450
Ph (065) 54 1788

Outward Bound
GPO Box 4213
Sydney 2001
Ph (02) 21 7784

Paddy Pallin Adventure Travel
PO Box 72
Jindabyne 2627
Ph (0648) 62 458

Rockcraft Climbing School
and Mountain Guides
195 Katoomba Street
Katoomba 2780
Ph (047) 82 2014

Somerset Outdoor Education
Centre (Colo River)
c/- 222 Pacific Highway
Hornsby 2077
Ph (02) 476 5566

Transglobal (Egypt)
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Trek-About Tours
Barrington Road
Gloucester 2422
Ph (065) 58 2093

Wilderness Expeditions
26 Sharp Street
Cooma 2630
Ph (0648) 21 587

Wilderness Expeditions
Lower Ground Floor
100 Clarence Street
Sydney 2000
Ph (02) 29 1581

Northern Territory

Pandanus Canoe Safaris
PO Box 1486
Darwin 5794
Ph (089) 85 3475

Willie's Walkabout
12 Carrington Street
Millner 5792
Ph (089) 85 2134

Queensland

Australian Himalayan Expeditions
— Jim the Backpacker
76 Wickham Street
Fortitude Valley 4006
Ph (07) 839 6609

Climb High
PO Box 93
Broadway 4006
Ph (07) 52 8804

INTERNATIONAL PARKtours
c/- Binna Burra Lodge
Beechmont
via Nerang 4211
Ph (075) 33 3583

Mackay Rocksports
22 Lindeman Avenue
Lambers Beach 4741
Ph (079) 55 1273

Outdoor Adventures
1 Murrangong Street
Jindalee 4074
Ph (07) 376 4589

Raging Thunder Sea Kayaking
PO Box 2172
Cairns 4870
Ph (070) 51 0366

South Australia

Mountain Adventure
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Osprey Wildlife Expeditions
27B Strathalbyn Road
Algadie 5154
Ph (08) 339 4899

Riverland Canoeing Adventures
PO Box 962
Loxton 5333
Ph (085) 84 1494

Scout Outdoor Travel Centre
192 Rundle Street
Adelaide 5000
Ph (08) 223 5544

Thor Adventure Travel
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Tasmania

Bushwalkers Bus Service
PO Box 433
Launceston 7250
Ph (03) 34 0442

Bushwalkers Transport
28 Criterion Street
Hobart 7000
Ph (002) 34 2226

Cracair Tours
PO Box 516
Devonport 7310
Ph (04) 24 3971

Maxwells' Coaches
Wilmot 7310
Ph (004) 92 1431

Open Spaces
28 Criterion Street
Hobart 7000
Ph (002) 31 0983

Paddy Pallin Adventure Travel
32 Criterion Street
Hobart 7000
Ph (002) 31 0777

Par-Avion
PO Box 300
Sandy Bay 7005
Ph (002) 48 5390

Tasair Pty Ltd
Cambridge Aerodrome
Cambridge 7170
Ph (002) 48 5088

Tasmanian River Rafters Pty Ltd
PO Box 89
Huonville 7109
Ph (002) 95 1573

Wilderness Tours
c/- Robert H Geeves
Arve Road
Geeston 7116
Ph (002) 97 1384

Victoria

Australian and New Zealand
Scientific Exploration Society
PO Box 174
Albert Park 3206
Ph (03) 529 3763

Australian Himalayan Expeditions
Suite 1
126 Wellington Parade
East Melbourne 3002
Ph (03) 419 2333

Base Camp & Beyond
Woolley
PO Box 37
Halls Gap 3381
Ph (053) 56 4300

Bogong Jack Adventures
PO Box 209
Wangaratta 3677
Ph (057) 21 2564

Endless Horizons
55 Walker Parade
Churchill 3842
Ph (051) 22 2430

High Country Adventure Pty Ltd
PO Box 287
Mansfield 3722
Ph (057) 75 2511

Mountain Activities
PO Box 14
Ashburton 3147
Ph (03) 25 8133

Mountaincraft Pty Ltd
PO Box 582
Camberwell 3124
Ph (03) 817 4802

Outdoor Travel Centre
1st Floor
377 Little Bourke Street
Melbourne 3000
Ph (03) 67 7252

Outdoor Ventures Geelong
Shop 11
Pakington Arcade
Pakington Street
Geelong West 3218
Ph (052) 22 4949

Peregrine Expeditions
9th Floor
343 Little Collins Street
Melbourne 3000
Ph (03) 602 3066

Snowy River Expeditions
PO Box 3885
Ph (051) 55 9373

Spindrift International Guiding
PO Box 596
Sale 3850
Ph (051) 48 2499

Victorian Board of Canoe Education
140 Cootham Road
Kew 3101
Ph (03) 817 6030

Walkabout Adventure Tours
PO Box 298
Heidelberg 3084
Ph (03) 459 2501

Wilderness Travel Centre
59 Hardware Street
Melbourne 3000
Ph (03) 67 5101

Wildtrek Ltd
9th Floor
343 Little Collins Street
Melbourne 3000
Ph (03) 602 3066

Western Australia

Australian Himalayan Expeditions
— Sundowners Travel
2nd Floor
133 St Georges Terrace
Perth 6000
Ph (09) 321 2335

Blackwood Expeditions
PO Box 64
Nannup 6275
Ph (09) 56 1081

Merrikabur Adventure Pursuits
Cowaramup 6284
Ph (09) 55 5490

Wildside Adventure Excursions
PO Box 85
Bassendean 6054
Ph (09) 279 1750

New Zealand

Alpine Guides Mt Cook Ltd
PO Box 20
Mt Cook National Park
Ph (Mt Cook) 834

Alpine Guides (Westland) Ltd
PO Box 38
Fox Glacier
Ph (Fox Glacier) 825

Alpine Recreation Canterbury Ltd
PO Box 75
Lake Tekapo
Ph (0506) 736

Mountain Recreation
PO Box 204
Wanaka
Ph (02943) 7330

Ski Guides NZ Ltd
PO Box 177
Wanaka
Ph (Wanaka) 7930

Venture Treks Ltd
PO Box 37-610 Parnell
Auckland
Ph (Auckland) 79 9855

Westland Glacier Skiing
PO Box 38
Fox Glacier
Ph (Fox Glacier) 825

Papua New Guinea

Australian Himalayan Expeditions
— Pacific Expeditions
PO Box 132
Port Moresby
Ph (Port Moresby) 25 7803

Pacific Expeditions
PO Box 132
Port Moresby

Ph (Port Moresby) 25 7803

Nepal

Sherpa Cooperative Trekking (P) Ltd
PO Box 1338
Durbur Marg
Kathmandu
(Ph) Kathmandu 22 3348

Treks & Expeditions Services Pvt Ltd

PO Box 3057
Kathmandu

Ph (Kathmandu) 41 2231

70 cents a word (minimum \$7.00) prepaid.
Prepaid: 15 January (autumn issue), 15 April
(winter), 15 July (spring), 8 October (summer).
Advertisement will be inserted in first
available issue.

We reserve the right to alter or reject any
advertisement and will not be held responsible
for errors, although every care is taken to avoid
them.

All advertisements are accepted on the
express condition that they do not in any way
infringe the Trade Practices Act or violate any
existing copyright or patent laws.

Send order and payment to Wild
Publications Pty Ltd, PO Box 415, Prahran,
Victoria 3181.

Backpacking, climbing, ski mountaineering tours in the Canadian Rockies, Selkirks, Monashees. Contact Leon Blumer, Walkabout Tours Inc, 360 Herbert Heights Road, Kelowna, British Columbia, Canada V1Y-1Y3 for brochures and prices.

Compete Set. First 20 issues of Wild.
\$100.00, Telephone: Helen or Michael
on (03) 419 2174.

Crew berths available aboard 56' ketch, sailing world. 1 May–15 July, Sydney–Cairns; 1 August–15 December, Cairns–Papua–Solomon–Caledonia–New Zealand. Sailing instruction, scuba, windsurf. Share expenses. Write: Orka, Poste Restante, Church Point 2105.

Eik Expeditions. Adventure, excitement and fun. Abseiling, caving, orienteering, walks, canoeing are some of the many thrills. Write, ring for a brochure: 87 Greenbank Drive, Werington Downs 2750. (047) 30 3503.

Fiji Bushwalking. Ten days \$895 ex Sydney, twin share; \$995 ex Melbourne. Includes flights, transfers, accommodation, all meals on trek, transfers. Phone Matthew Glashier, (02) 232 7244, Sportswell Tours, First floor, 10 Martin Place, Sydney 2000.

J&H Marketing Manager. Australia's leading manufacturer of outdoor equipment has a position vacant for a marketing manager. Initiative, experience and a knowledge of the backpacking industry are essential. J&H's new factory is in Queanbeyan where the position is based. Salary negotiable. Written applications in confidence to Steve Jamieson, PO Box 443, Queanbeyan, NSW 2620.

Jemby-Rinjah Lodge, adjacent to the Blue Mountains National Park near the Evans Lookout/Grand Canyon entrance, can now be your base for walking and climbing, or just relax in our

new self-contained, six-bed timber cabins. Tranquillity, log fires, birds, and wildflowers with comfort—phone (047) 87 7622 for brochure or bookings.

Pure Silk Inner Sheets. Double-stitched, breathable, lightweight, and so comfortable! Standard \$37.80, long \$39.60, YHA \$48, double \$72, red, navy, royal, wattle yellow, sky, emerald, green. Cotton inner sheets: standard \$39.60, long \$42. Double, red, black, slate, pink, lemon, mint, blue, brown, burgundy. Give two colour preferences. Prices include postage within Australia. Price list available includes water bags, rope protectors, stuff sacks, canyon bags, pack liners, poly-cotton inner sheets, food bags. Prompt mail-order service by Australia's leading suppliers of silk inner sheets. Send cheques, money orders and name, address, phone number to DB Staff, 47 Hillcrest Road, Berowra 2081. (02) 456 1602.

Topographic Maps. Narmaps cover Australia at 1:250,000 scale and popular areas at 1:100,000 scale. Free catalogues, PO Box 31, Belconnen, ACT 2616, or from accredited retailers.

Wanted. Outdoors instructors specializing in cross country skiing and white-water rafting. Full- and part-time positions. Apply in writing to Wilderness Expeditions, 26 Sharp Street, Cooma, NSW 2630.

Wild T-Shirts and Windbeaters at LESS THAN HALF PRICE!

T-shirt \$4.95

size

'Take a walk on the Wild side'
Light blue writing on cream

14A

Light brown writing on cream

14A

'Discover Wildness'
Blue writing on cream

14A

Windbeater \$9.95

size

'Take a walk on the Wild side'

12A

Light blue writing on cream

12A

Light brown writing on cream

12A

If in doubt regarding sizing, allow for larger size (where available). Price includes packaging and surface postage anywhere in Australia. Add \$1.50 for each garment to overseas addresses. Please send with payment and delivery. Send cheque/money order and details, including size, to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send notice and payment to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

ANU Mountaineering Club meets first Wednesday each month at 8 pm at Australian National University, Canberra. Activities include canoeing, climbing, bushwalking, skiing and rogaing. Interested people should contact the club through the ANU Sports Union, the President (062) 46 5648, or Treasurer (062) 48 7142.

The Coast & Mountain Walkers of NSW

Most mainly weekend and extended walks. Some day walks, mostly cross country, skiing, canoeing, cycling, etc.

Social outings include walking and social programmes in leading Sydney camping stores. Meetings every second

Wednesday, 7.30 pm, Concord High School Auditorium, Stanley Street, Concord. GPO Box 2446, Sydney.

Federation of Victorian Walking Clubs (FVicWak) Inc

represents all Victorian bushwalkers. makes

submissions to government agencies to maintain the best possible bushwalking environment • encourages all walking groups to affiliate • runs a search and rescue section • publishes safety and information material and a list of clubs. GPO Box 815F, Melbourne 3001.

Melbourne Bushwalkers. Day walks, weekend and extended trips, social functions, guest speakers. Meets Club night, every Wednesday 7–9 pm, upstairs, 377 Little Bourke Street (Mountain Designs building), for booking on trips, information, socializing. Visitors always welcome. GPO Box 1751Q, Melbourne 3001.

The Victorian Climbing Club meets at 8 pm on the last Thursday of each month (except December), and second last Thursday in September) at Eldorado Hotel, 46 Leveson Street, North Melbourne. Visitors and new members interested in rockclimbing are welcome. Contact the Secretary, GPO Box 1725P, Melbourne, Victoria 3001.

The Walking Club of Victoria, Inc. meets first and third Thursday of each month at 8.00 pm at YWCA, 489 Elizabeth Street, Melbourne. Visitors interested in bushwalking are most welcome to attend, or write for quarterly walk programme, PO Box 168, Healesville 3777; GPO Box 34A, Melbourne 3001.

YHA Activities meet every Monday (except public holidays) at 8 pm at Horticultural Hall, 33 Victoria Street, Melbourne (opposite Trades Hall). Activities include bicycle touring, bushwalking, canoeing, field studies, horse riding, Nordic skiing, portable hostels, sailing, scuba diving, water-skiing. New members welcome. Contact YHA Victoria, 205 King Street, Melbourne. (03) 67 7991.

Club News

Clubs are invited to use this column to advertise their service for the benefit of readers and newcomers to their area, to keep members in touch and to give notice of their meetings and other events.

35 cents a word (\$3.50 for the first

50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70 cents a word, for the

first 50 words, then 70

Wild Shot



Tasmanian caveman.
Andrew Briggs

Wild welcomes
slides for this
page, payment
for slides is at
our standard
rates. Mail
slides to Wild,
PO Box 415,
Prahran,
Victoria 3181



THE LIGHTWEIGHT LIBERATION



HABITAT

Rigid strong and roomy. Twin skin construction.
Extended porch for cooking and storage.
4 person capacity. 4.4 kg.



CHRYsalis

From Everest to the Amazon. Be equally at home in the bush.
2-3 person capacity. 3.8 kg.



SNOWCAVE

A rugged, reliable tent for winter use. Light weight and the excellent insulation.
1 person capacity. 2.8 kg.



NEW ZEALAND
Hallmark Adventure Tents

Stockists: New South Wales Eastwood Camping, Mountain Designs, Carlton Canvas, Norski, Southern Cross Equipment, Spelean, Mountain Equipment, All Great Outdoor Centres Australian Capital Territory Mountain Designs, Jurkiewicz Camping Centre, CSE, Scout Outdoor Centre, The Great Outdoor Centre Victoria Bush and Mountain Sports, Scout Outdoor Centre, Marchal Camping, Outports, Sam Bear, Mountain Designs, Paddy Pallin, Outdoor Vanture, The Wilderness Shop, Central Victorian Outdoors, Mountain Sports, All Great Outdoor Centres South Australia Scout Outdoor Centre, Flinders Camping, South Australia Camping Tasmania Hobart Scout Outdoor Centre, Jolly Swagman, Paddy Pallin, Allgoods Western Australia Mountain Dasgins, Flinders Camping, Wild West Adventure, Paddy Pallin, Big Country, Across Australia, Boots Camping Queensland Scout Outdoor Centre, Jim the Backpacker, The Camping Centre, Mountain Dasgins, Torra Mountain Craft, Adventure Camping, All Great Outdoor Centres AND FROM SPORTS, MOUNTAIN AND CAMPING STORES THROUGHOUT NEW ZEALAND.

Boots by Mountain Designs

The Features

- 1 100% Nylon hard wearing shoe lace**
 - Good elasticity with good knot holding power
- 2 Speed boot hooks**
 - 2 rivet speed hooks to enable quick lacing and tightening
- 3 Sole (all boots)**
 - Specially designed synthetic rubber with 70% hardness provides a hard wearing, non sliding, good grip sole
 - **Hard wearing insole** — leather board for maximum elasticity and wear
 - Steel half shank for support and ease of walking without hindering toe movement for hill climbing.

- Removable cushioned insole. Insulates from cold, moulds to the shape of your foot and with Cambrelle* coating dissipates moisture.

- 4 Heel counter**
 - Designed to reduce vertebra shock, support the achilles tendon and relieve strain to the calf muscle.
- 5 Cuff**
 - Leather over high density latex foam, protects the ankle and achilles tendon.
- 6 Tongue**
 - Sewn in gussetted leather tongue reduces the chance of wet feet, and provides durability and comfort.



The Llama

Leather/Cordura shoe

1.8mm Suede and 1150 Denier waterproof Cordura (100% nylon) Cambrelle lining.

The Yak

Leather/Cordura boot

1.8mm Suede and 1150 Denier waterproof Cordura (100% nylon) Cambrelle lining.

The Thar

Full leather boot

2.3mm oiled full grain leather, upper lined with Suede and Cambrelle.



MOUNTAIN DESIGNS

AUSTRALIA

Brisbane (07) 221 6756 Sydney (02) 267 8238
Canberra (062) 47 7153 Melbourne (03) 67 3354
Adelaide (08) 232 0690 Perth (09) 322 4774
Fremantle (09) 335 9299